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Flite Test Master Series P-51 Mustang

Design By: John Overstreet

Plans By: Dan Sponholz

Version: 1.0

Date: 2020.05.26



GENERAL SPECIFICATIONS:

LENGTH:	41.0 in	1042 mm
CG:	3.0 in	76 mm
WINGSPAN:	48.25 in	1225 mm
WING AREA:	400 in ²	26 dm ²
DRY WEIGHT:	18.3 oz.	520 g
ALL UP WEIGHT:	26.2 oz.	744 g
WING LOADING:	9.5 oz/ft ²	29 g/dm ²
WCL:	5.7	
THROWS:	12°	
EXPO:	30%	
CHANNELS:	4	[THR AIL ELE RUD]

RECOMMENDED ELECTRONICS:

MOTOR:	2218B 1080 kv [PPC]
PROPELLER:	10 x 4.7
ESC:	35A min.
SERVOS:	4 x 9 g
BATTERY:	2250-3000 mAh 4S

SPONZ



BUILD SKILL LEVEL:

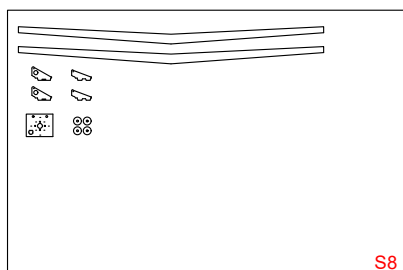
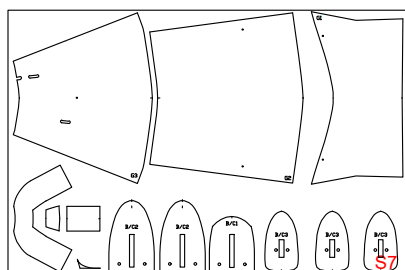
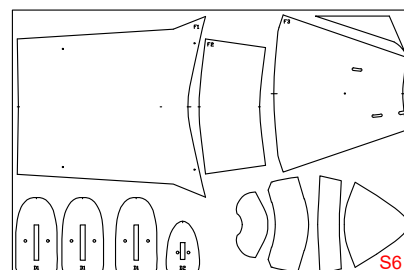
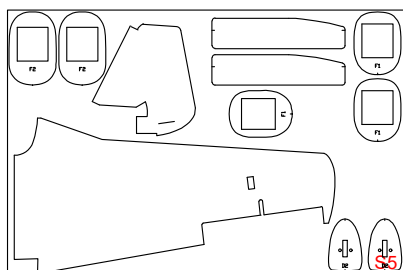
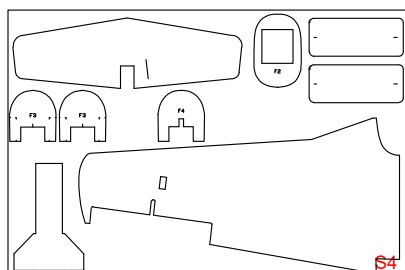
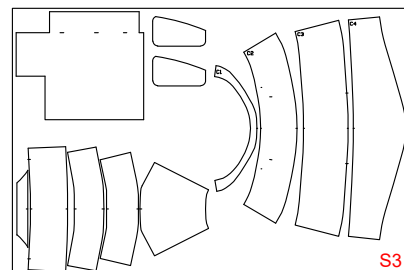
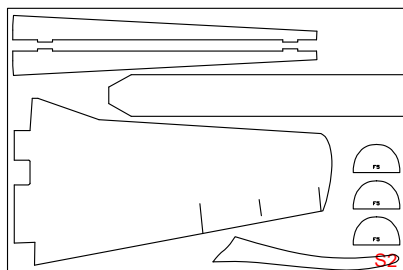
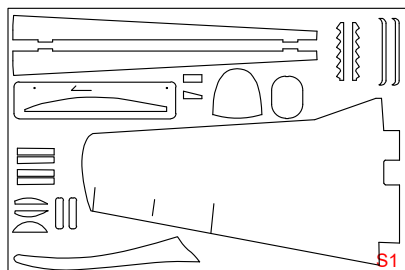


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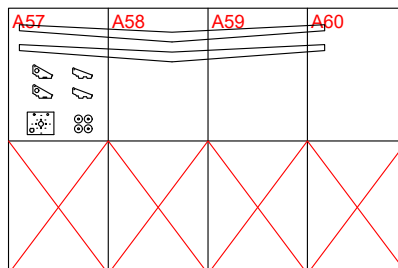
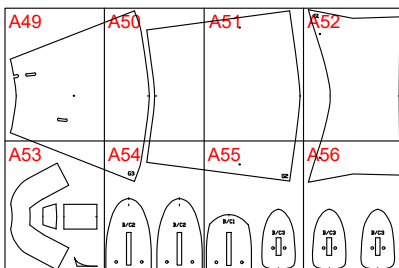
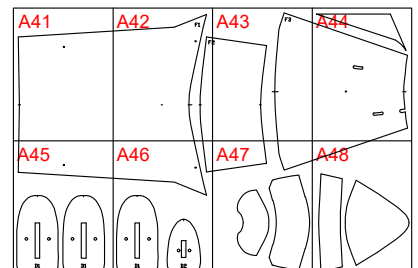
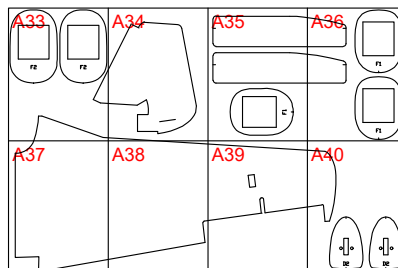
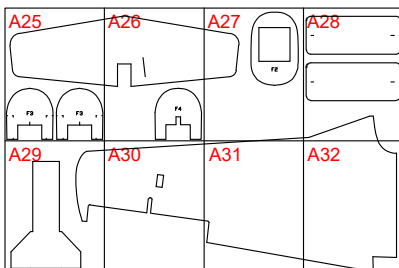
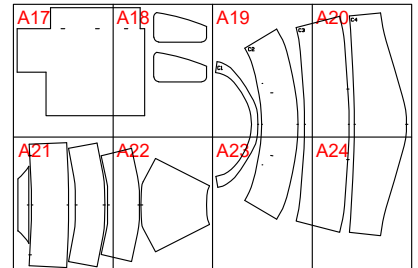
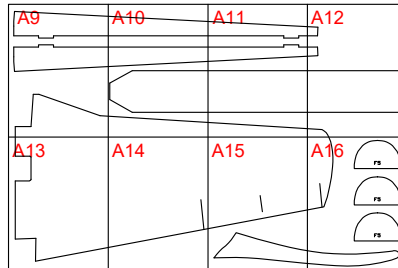
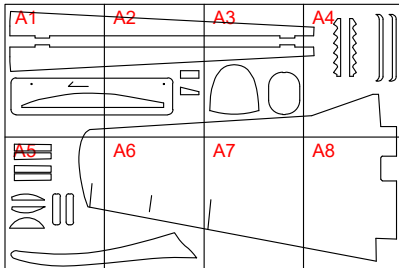


FT Mustang: Full-Size Key



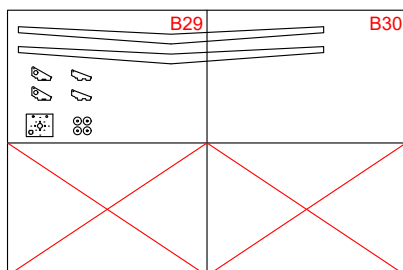
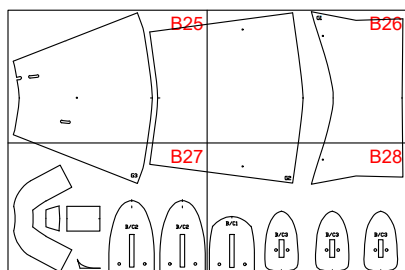
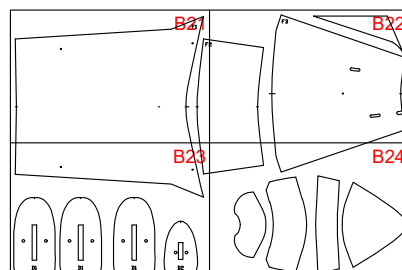
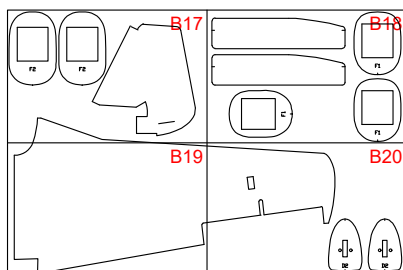
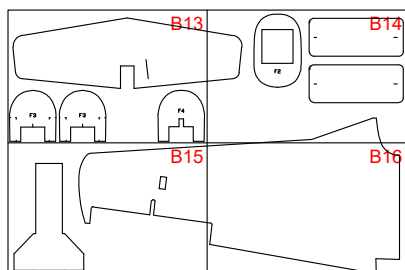
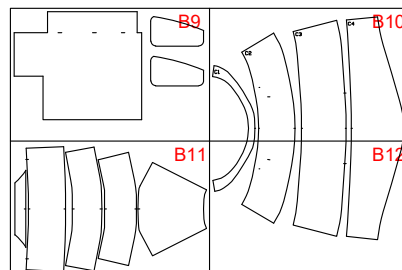
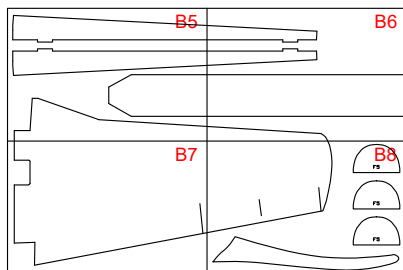
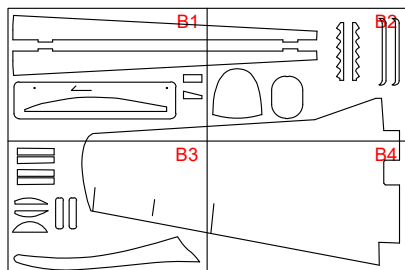


FT Mustang: Tile A Key





FT Mustang: Tile B Key





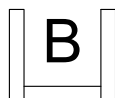
Drawing Key



FOLD TYPES



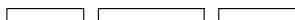
A



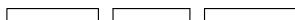
B



C



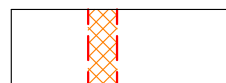
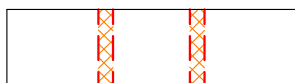
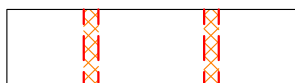
A - FOLD (ABOVE)



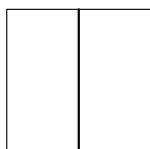
B - FOLD (BESIDE)



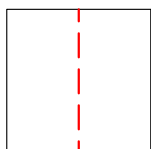
C - FOLD (COVER)



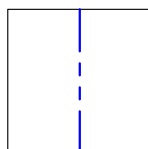
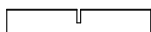
LINE TYPE/COLOR



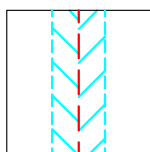
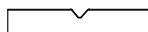
CUT



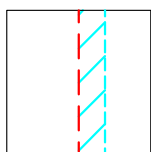
50% SCORE



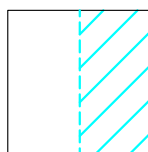
CREASE



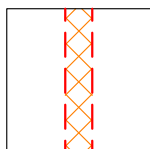
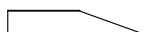
45° DOUBLE
BEVEL



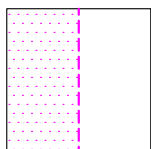
45° SINGLE
BEVEL



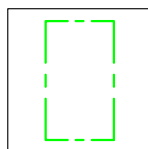
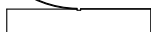
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BEVEL



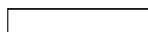
CAVITY



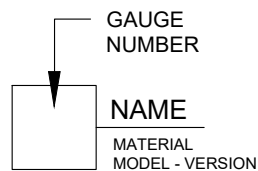
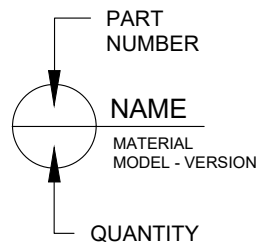
REMOVE
PAPER



REFERENCE/
OPTIONAL



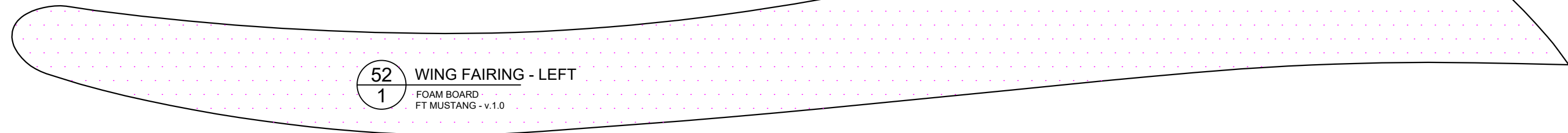
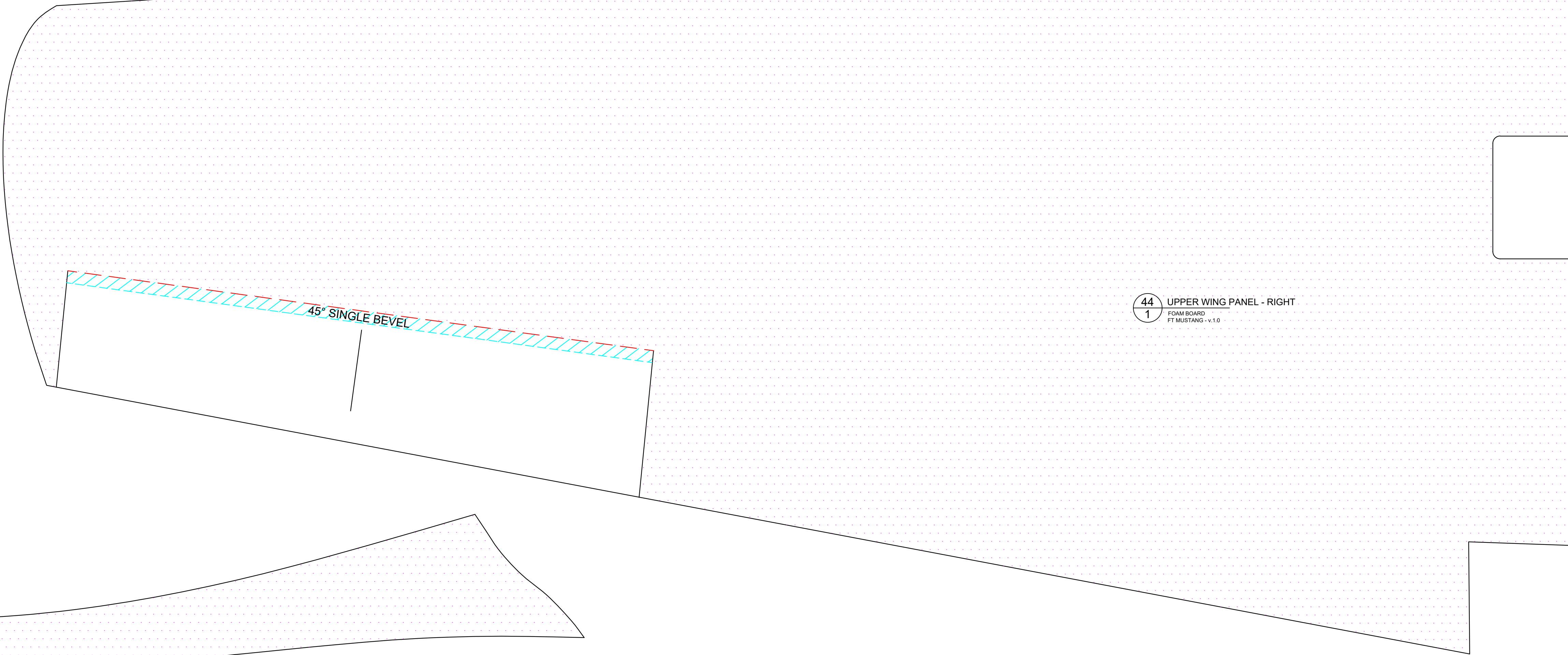
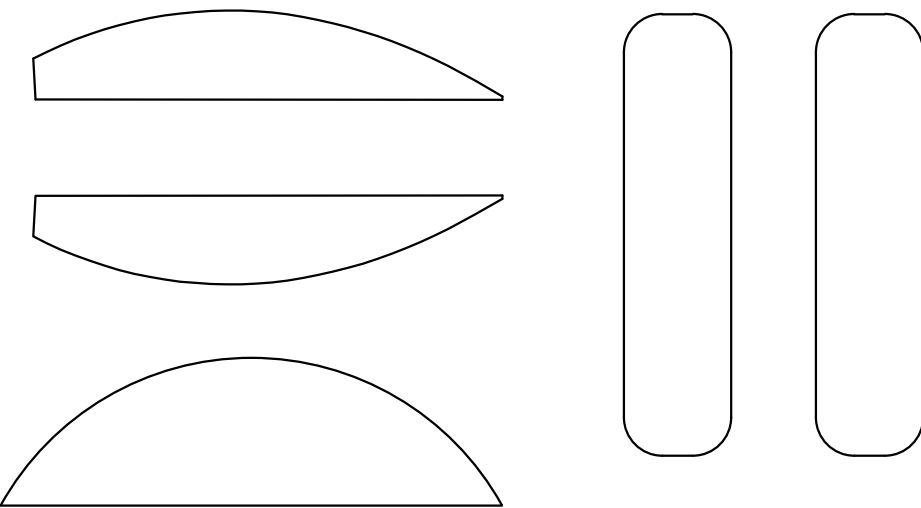
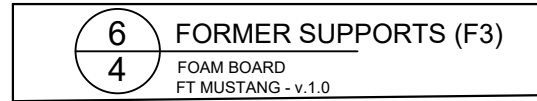
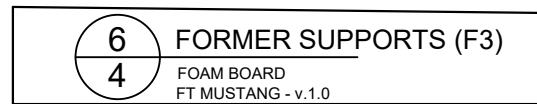
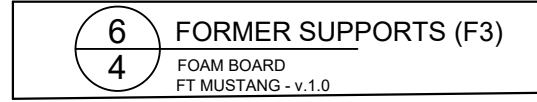
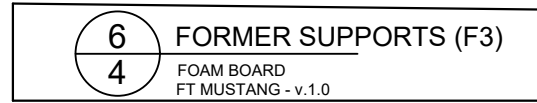
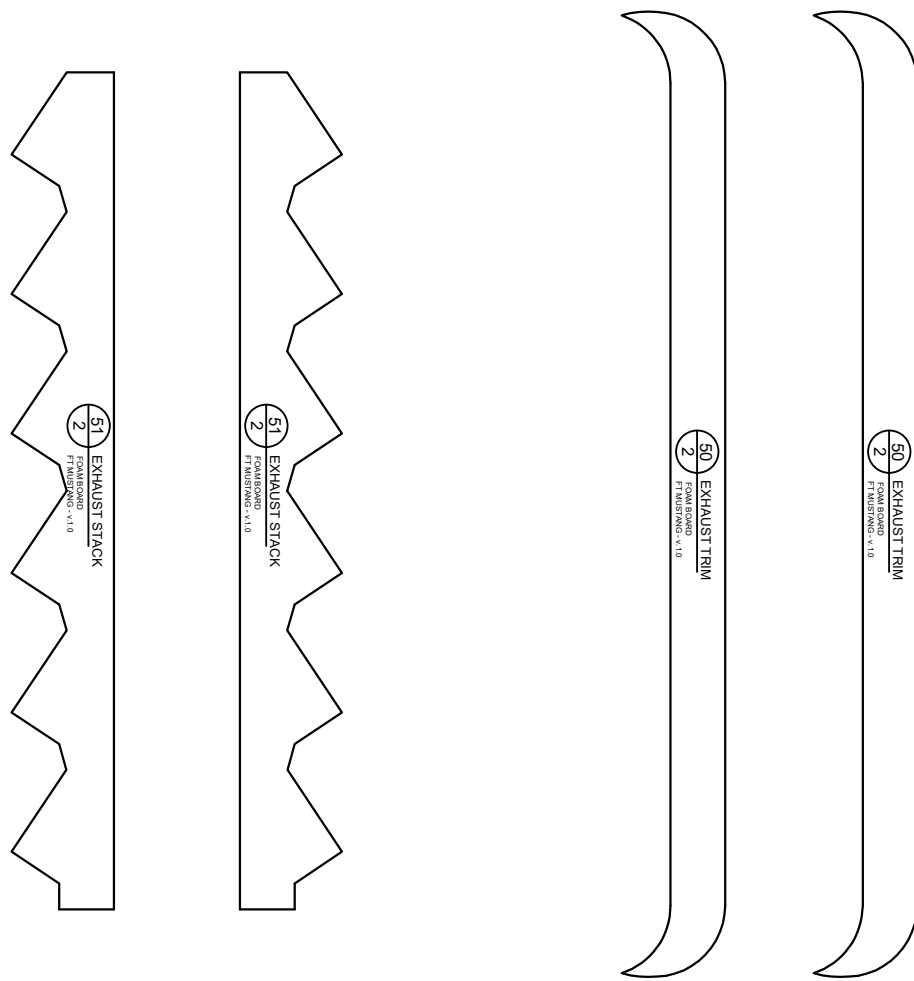
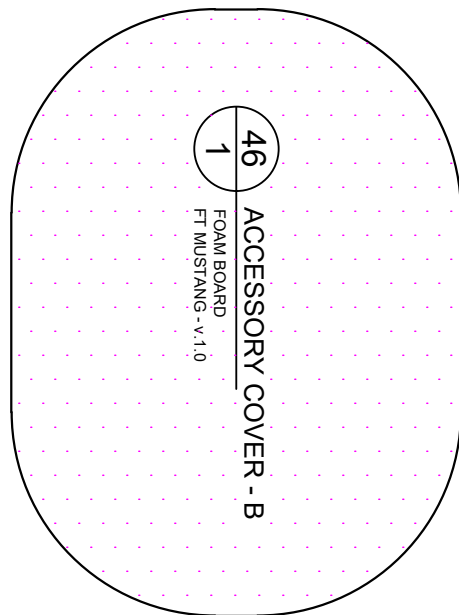
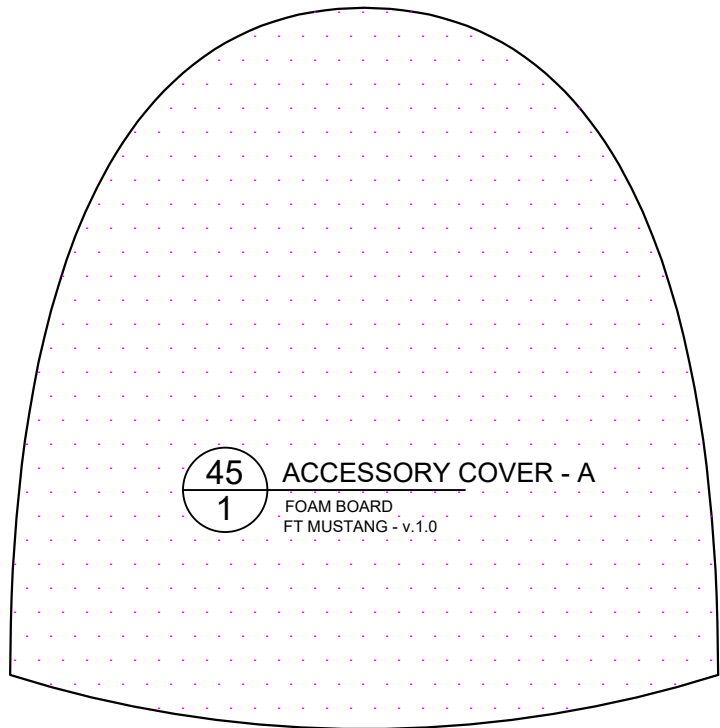
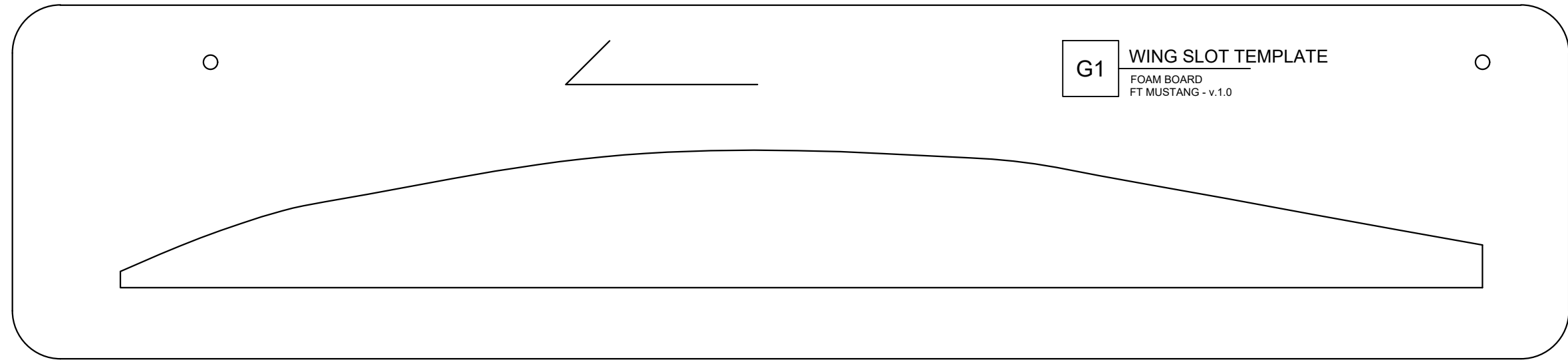
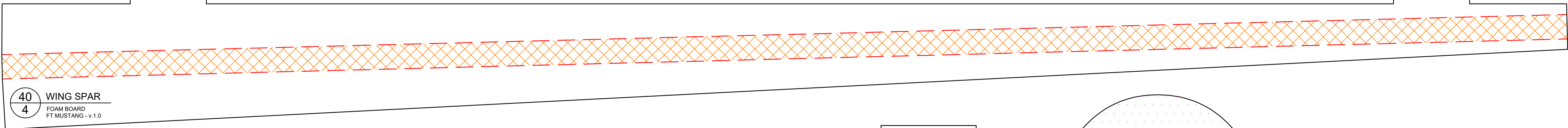
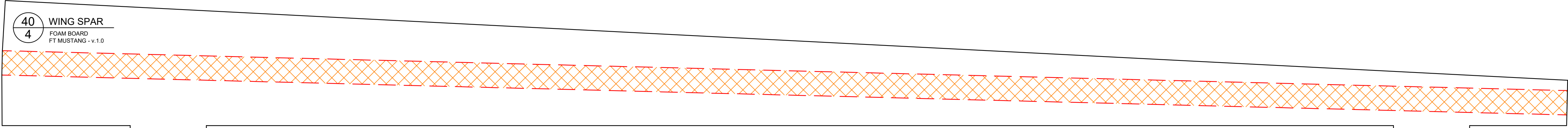
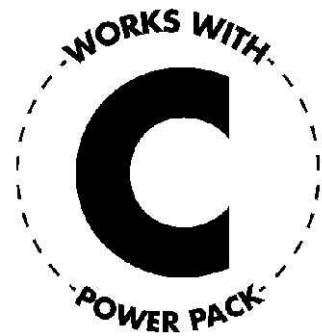
SYMBOLS



CENTER
OF
GRAVITY
(CG)

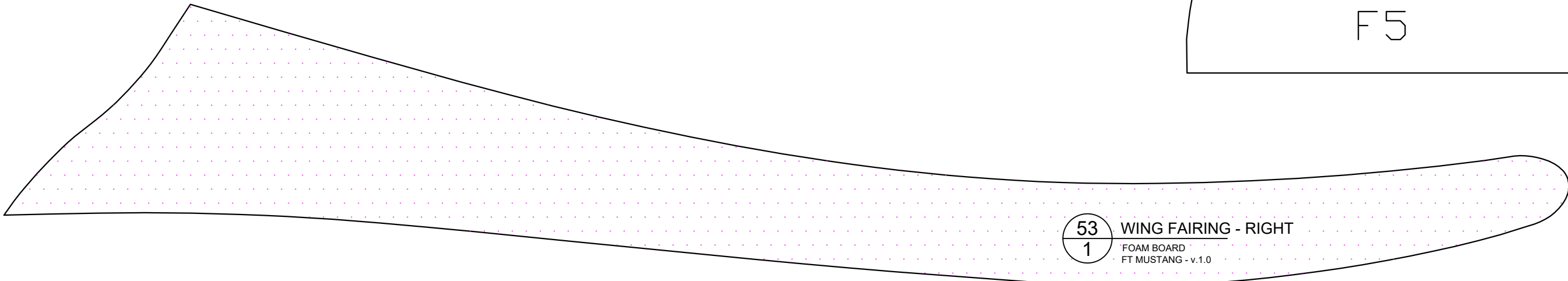
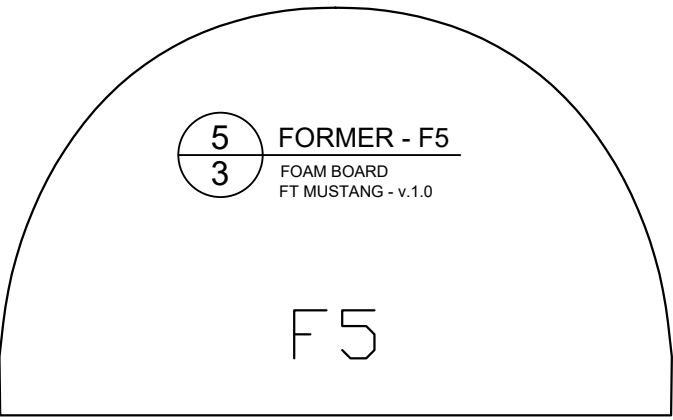
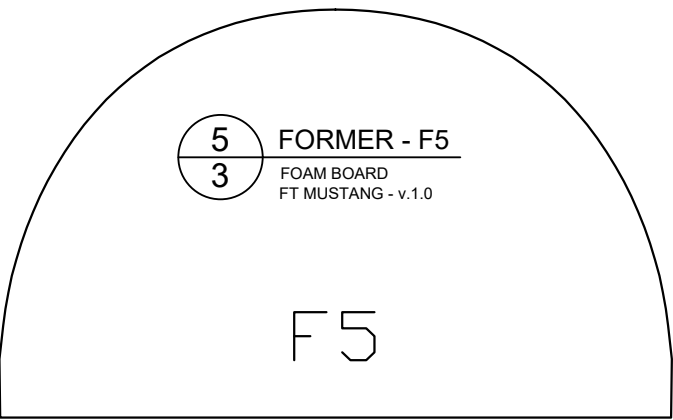
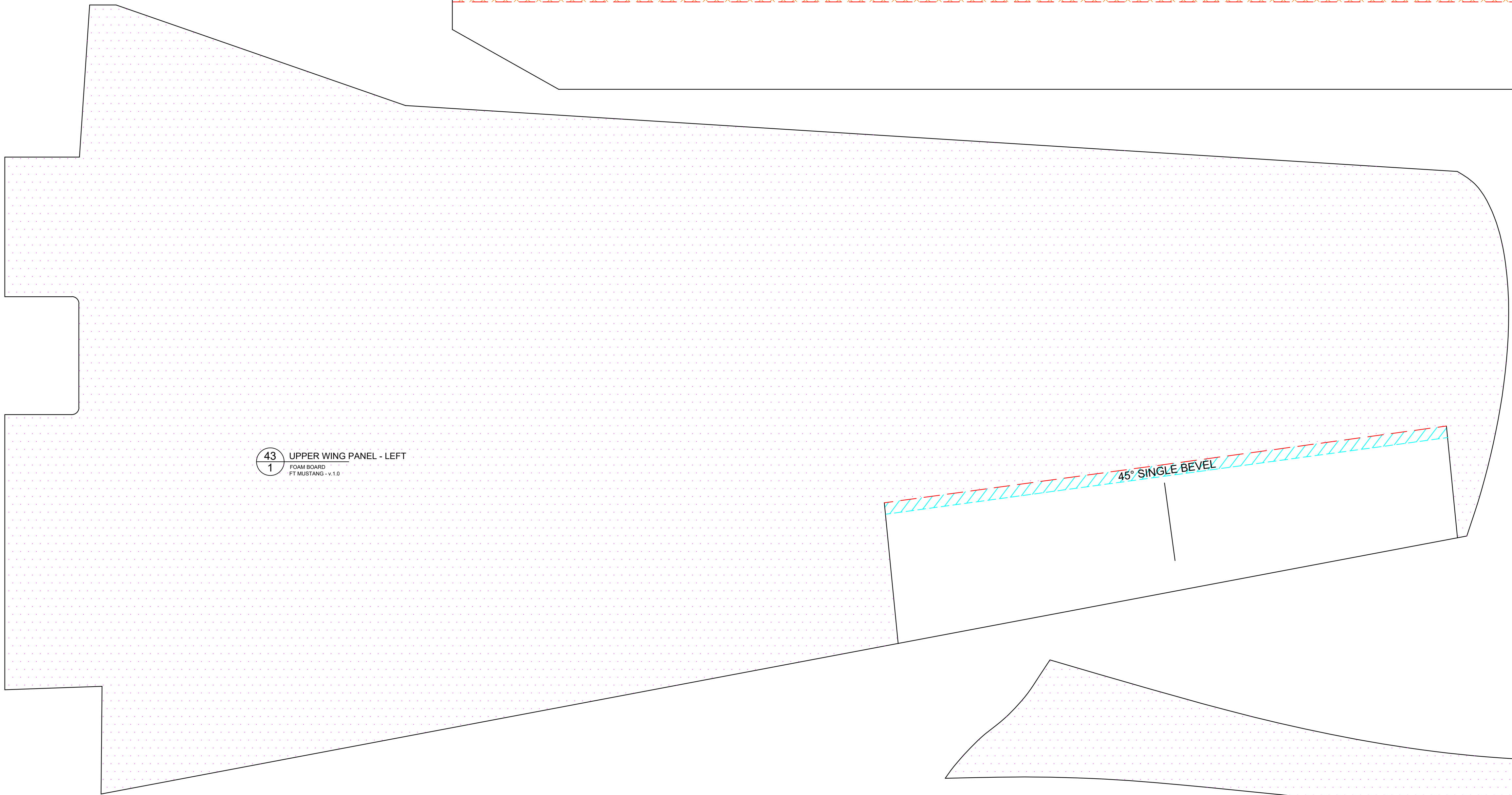
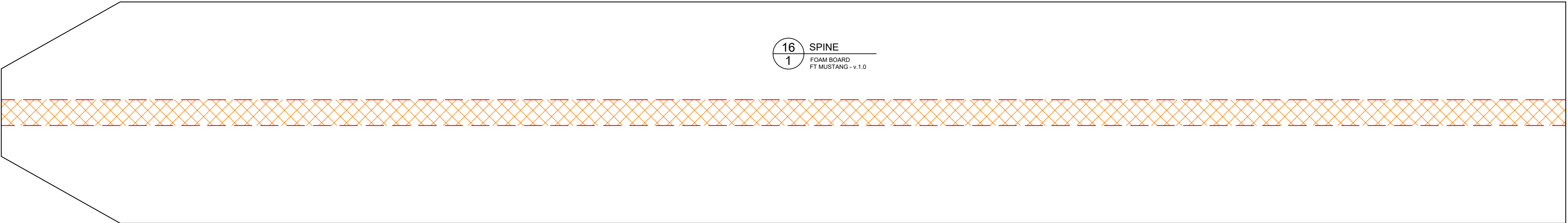
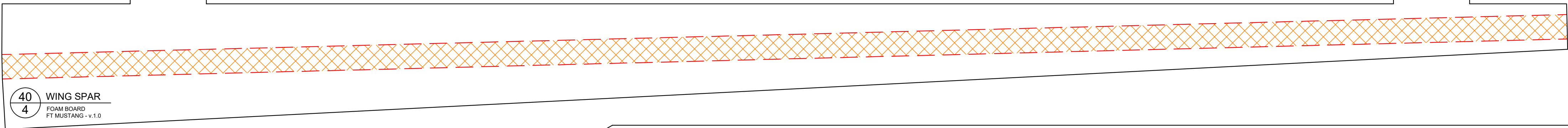
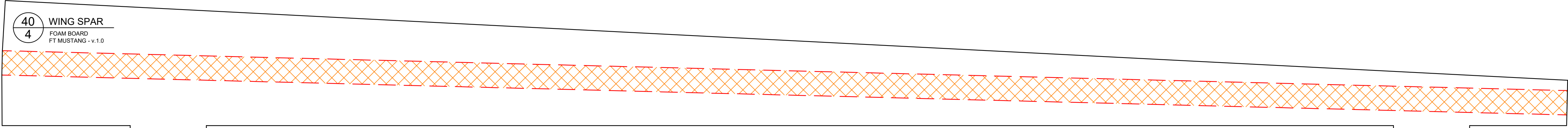
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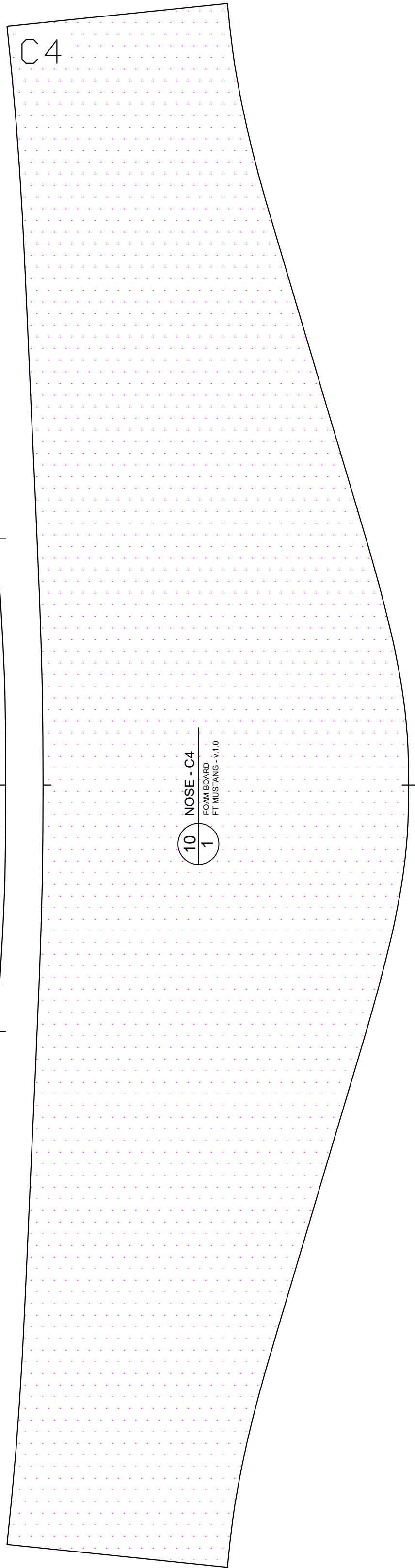
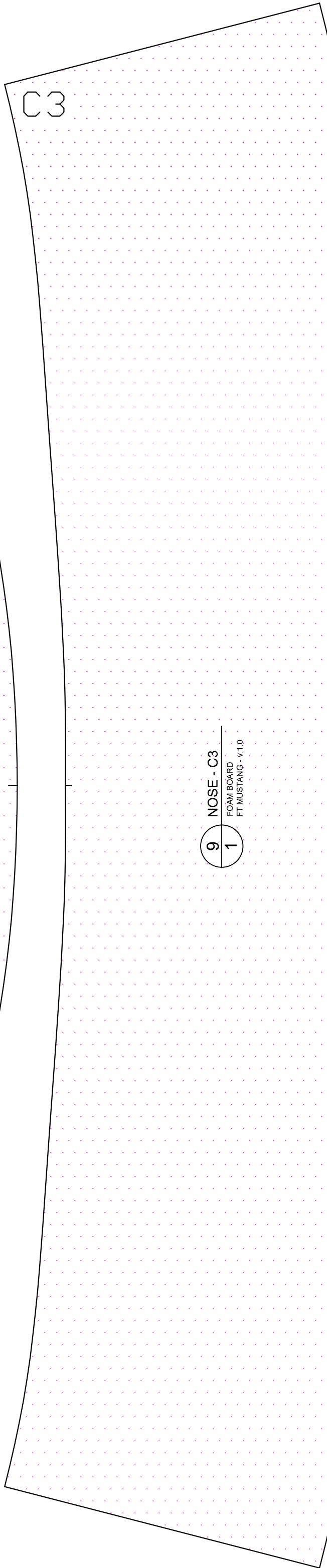
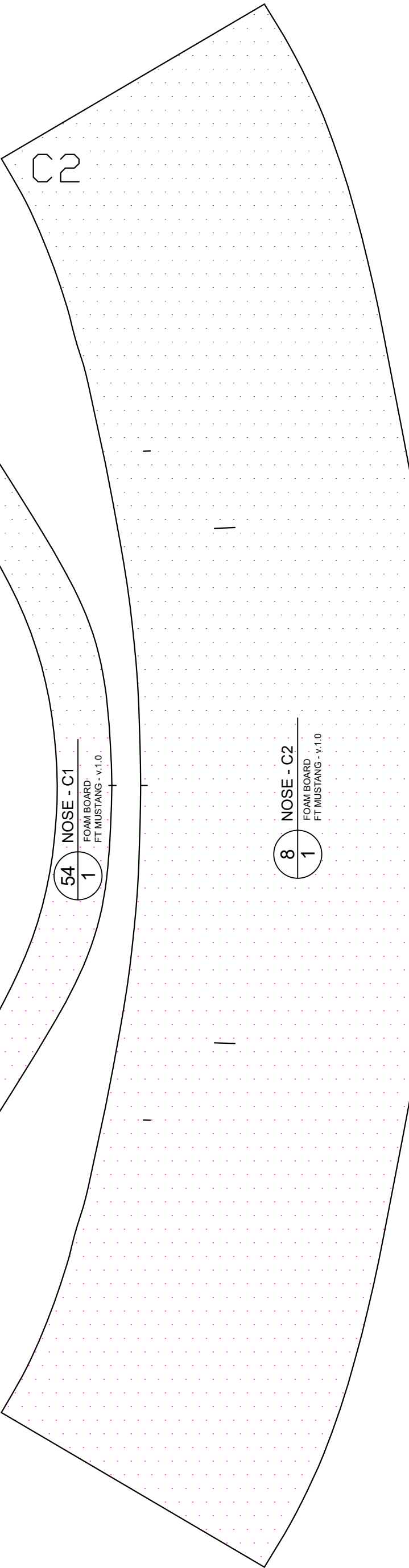
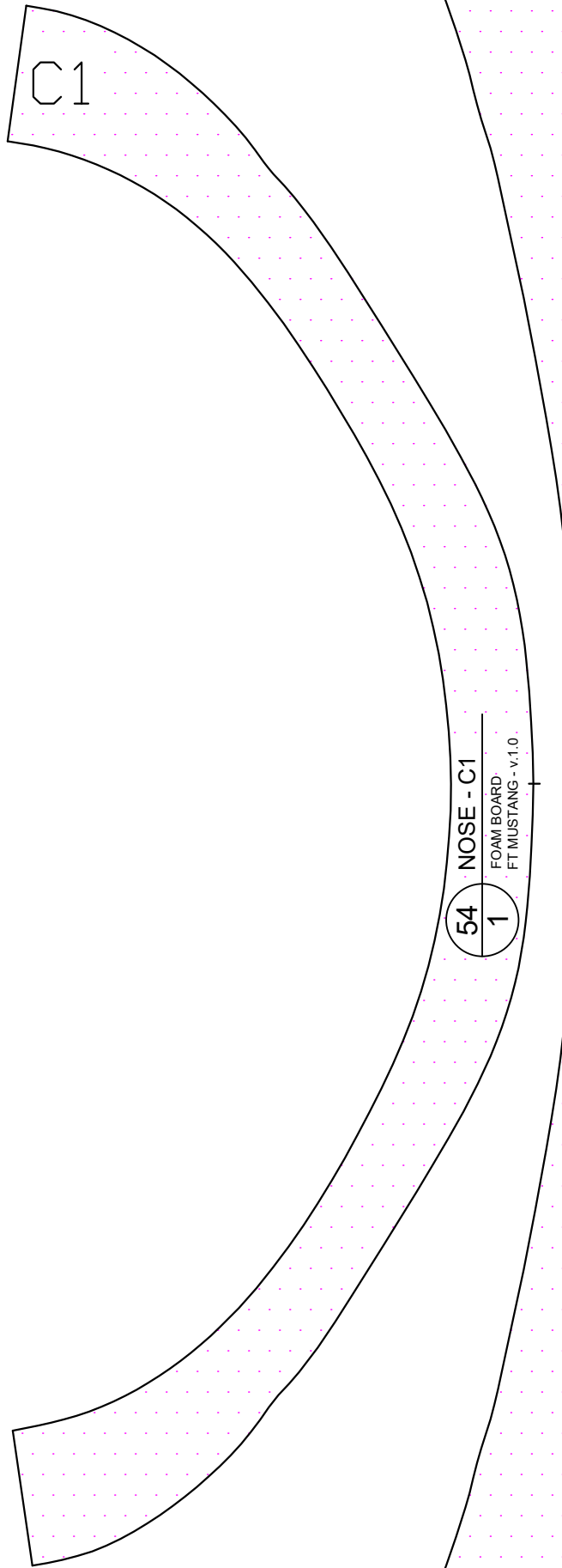
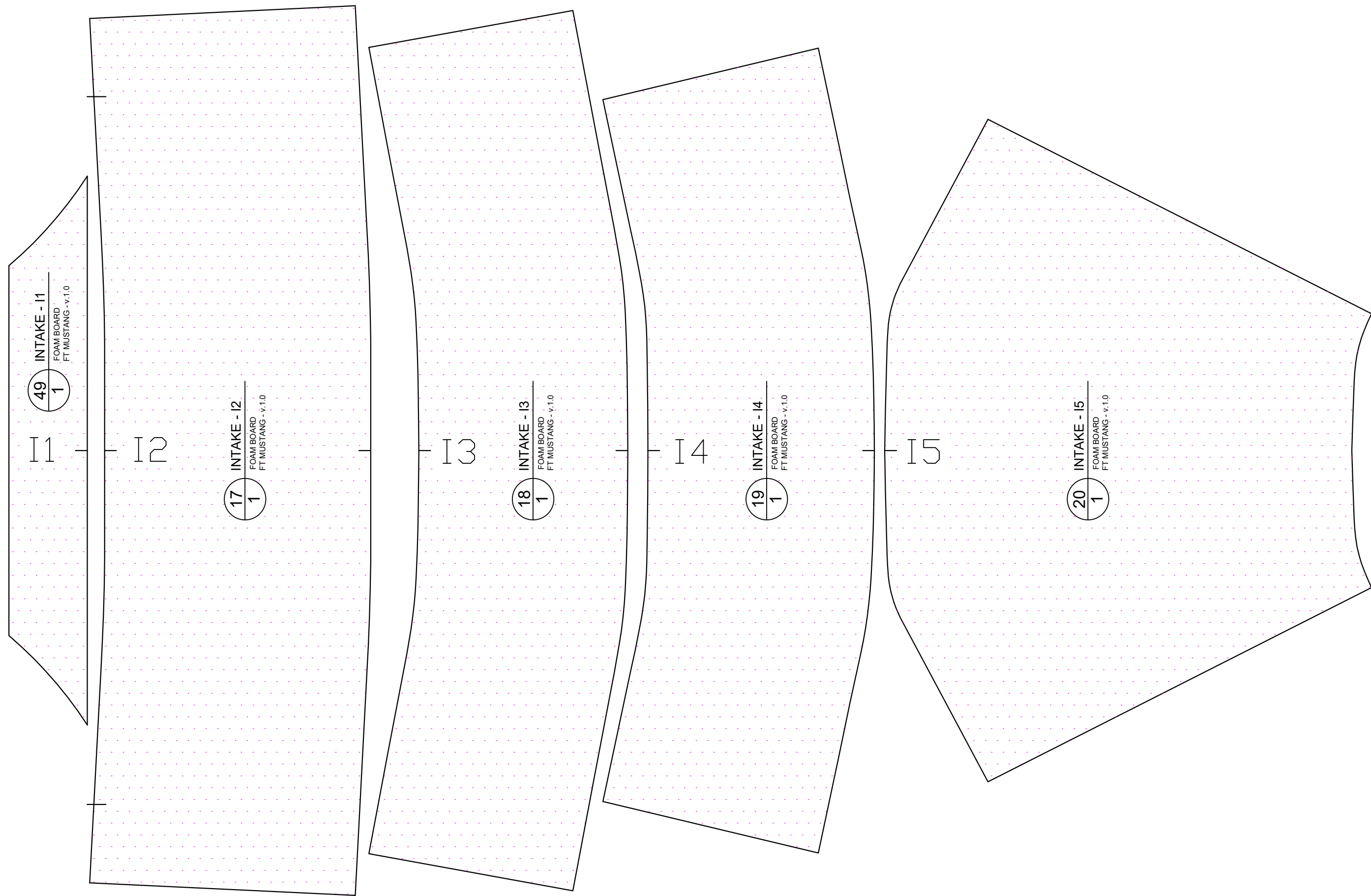
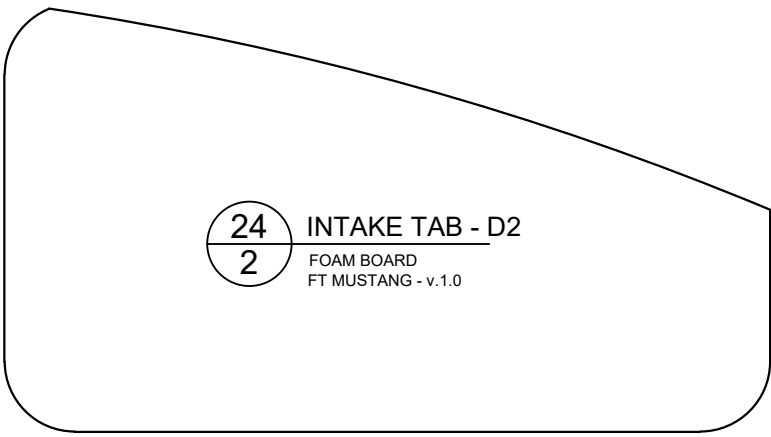
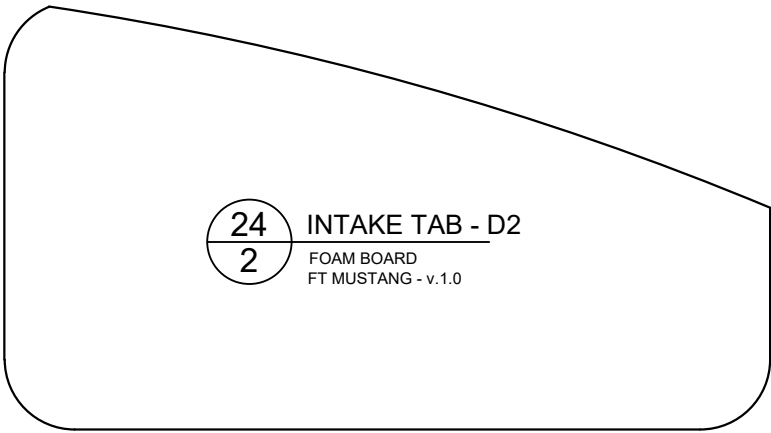
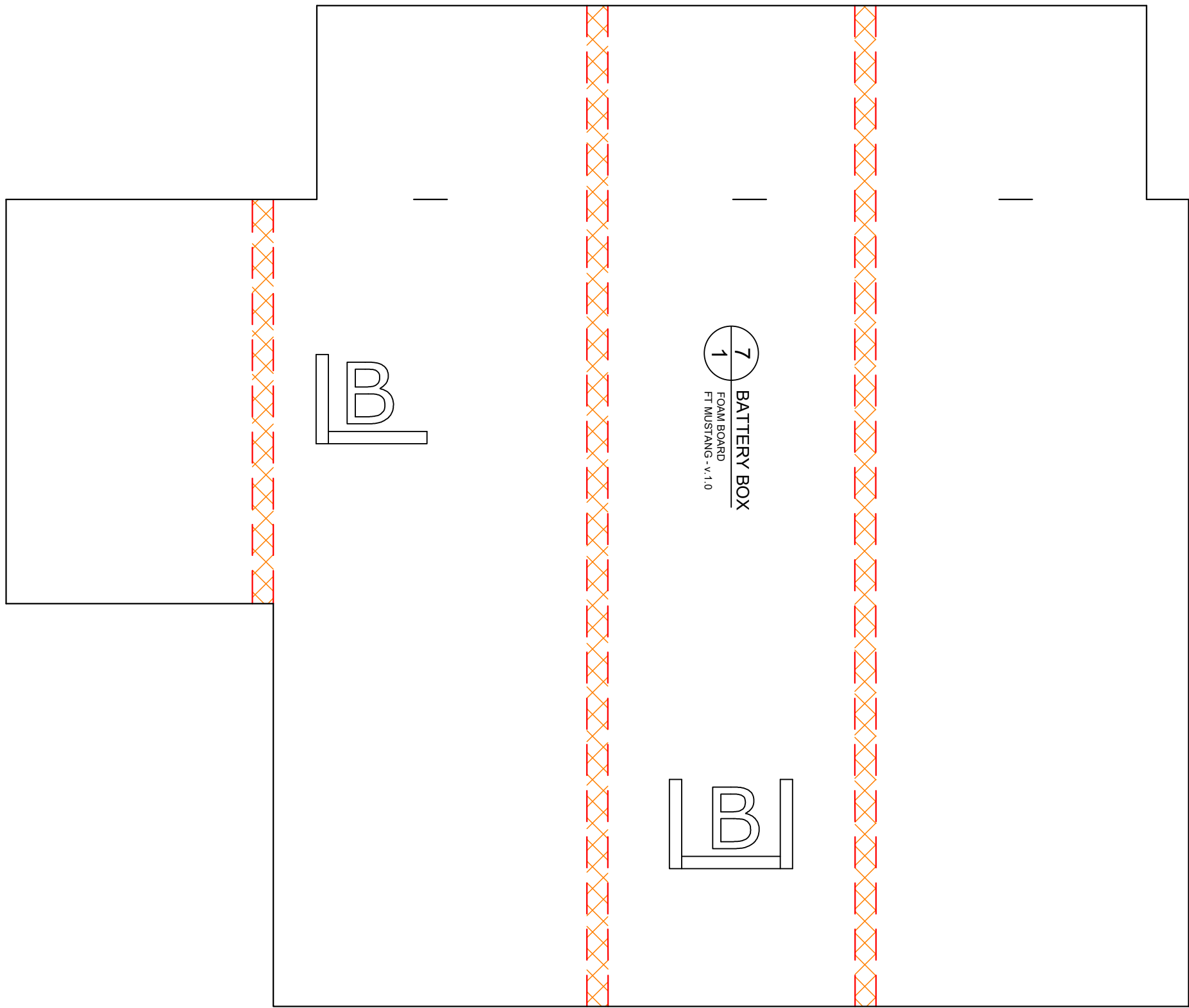
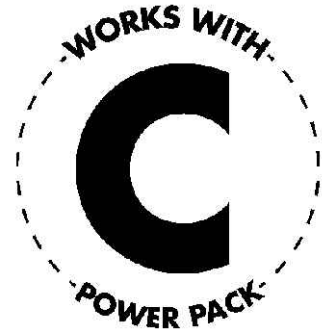
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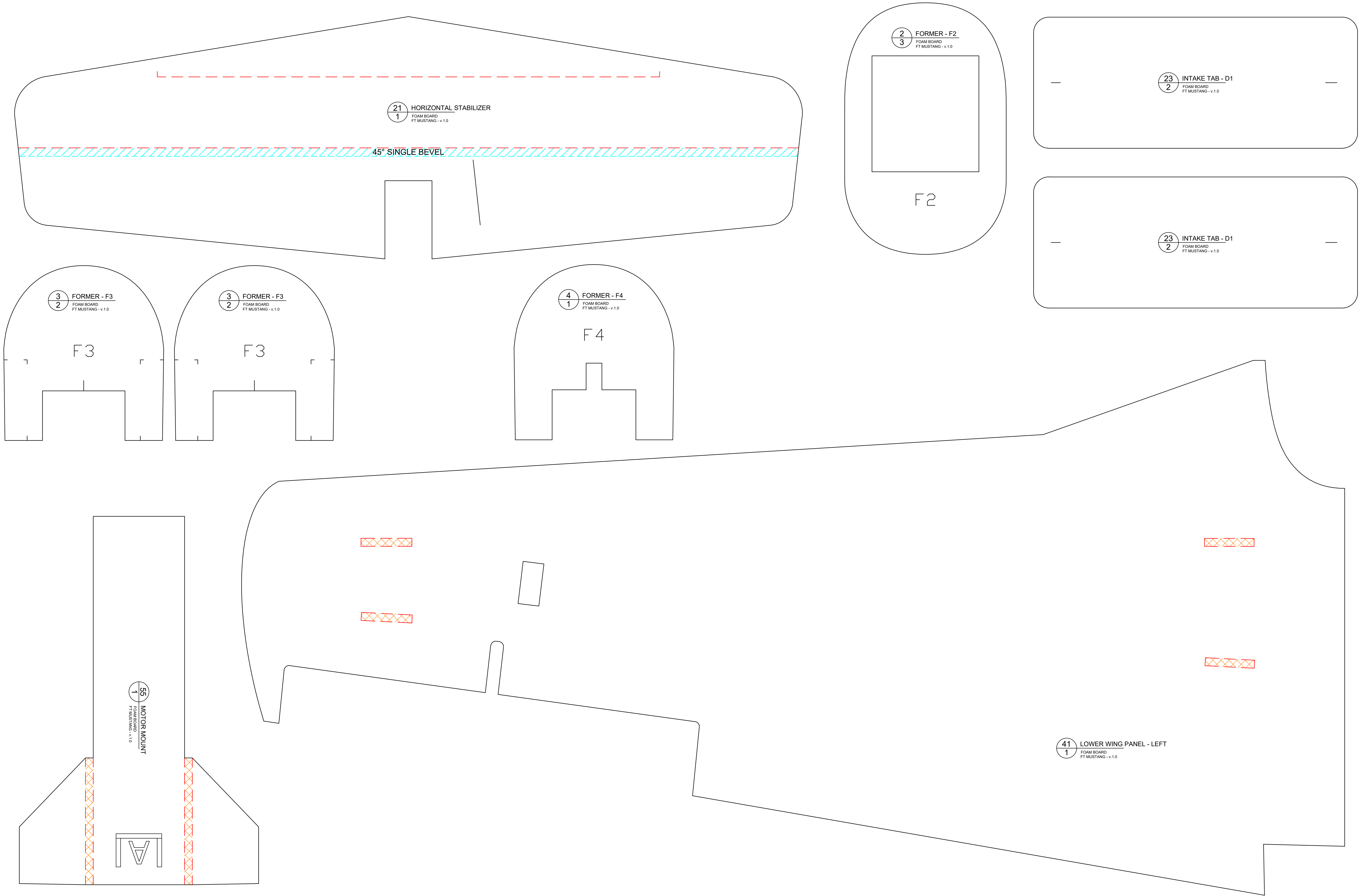
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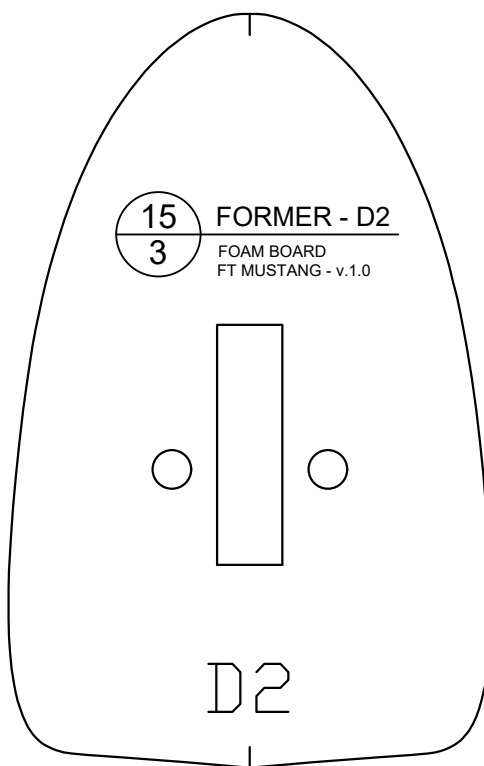
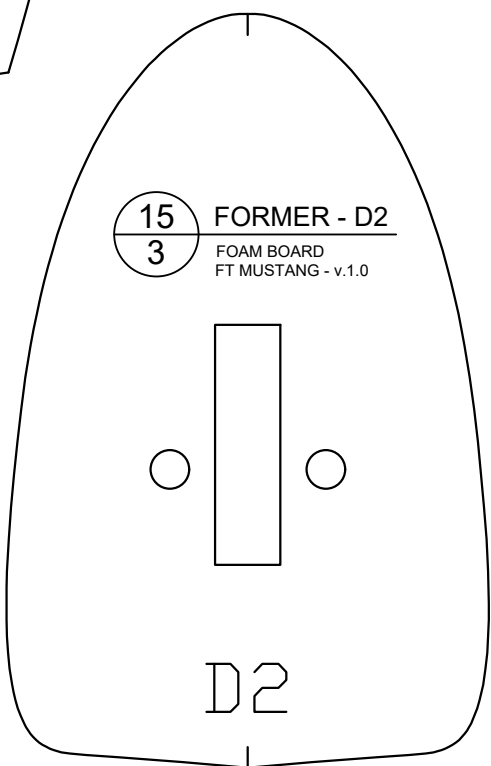
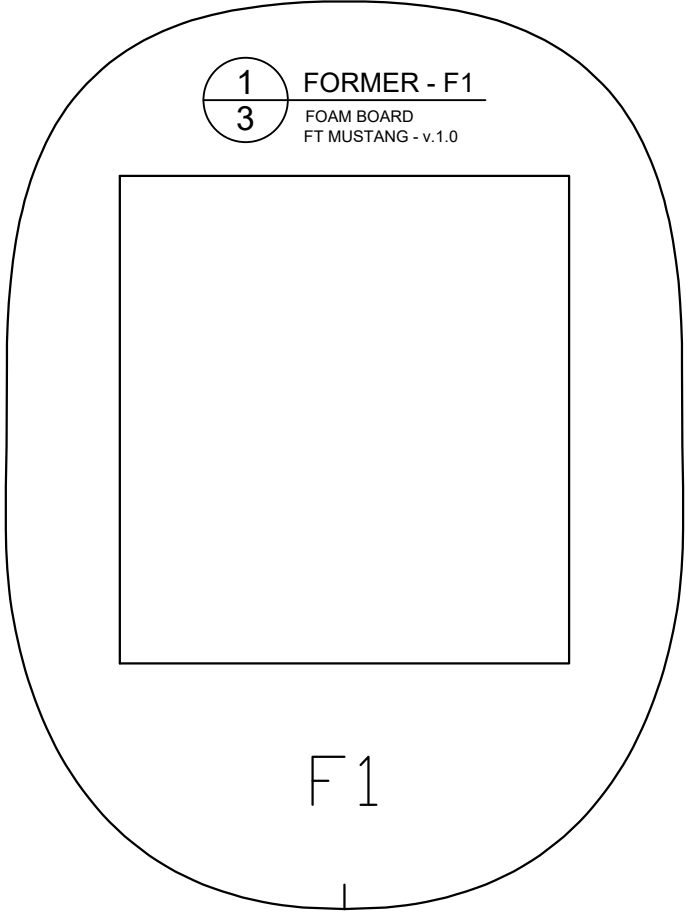
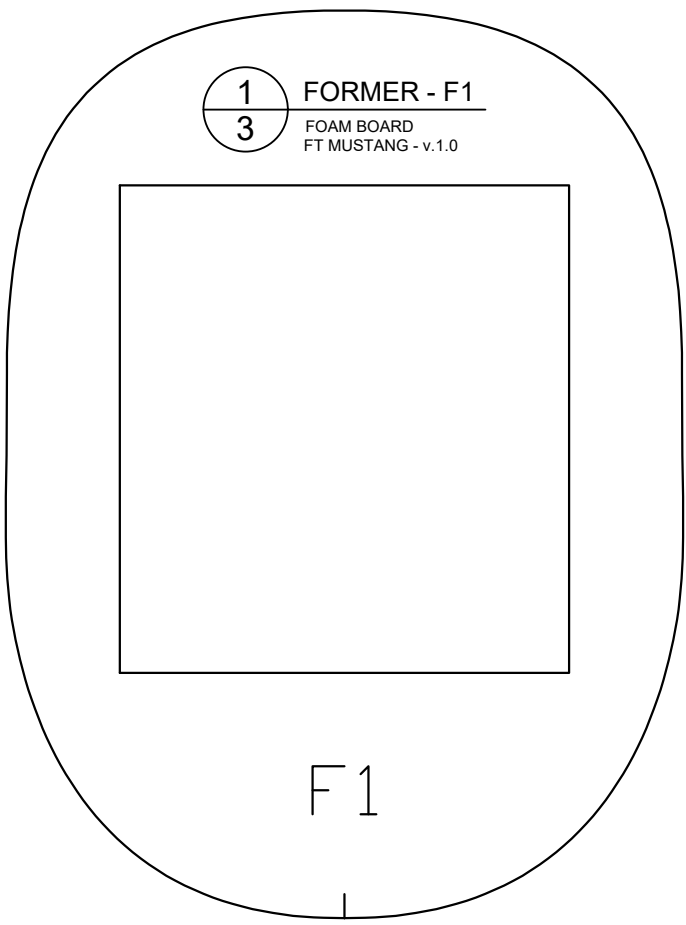
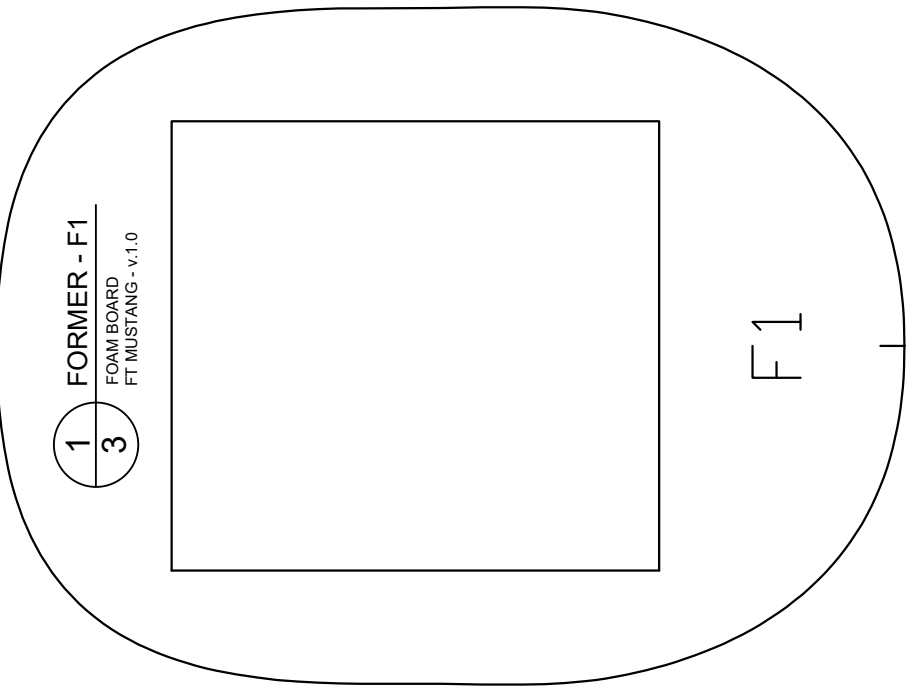
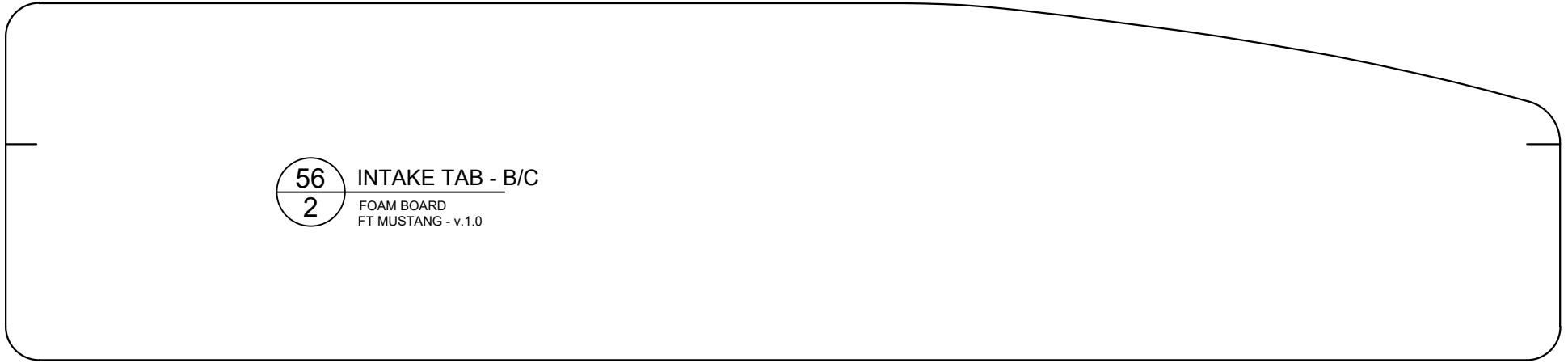
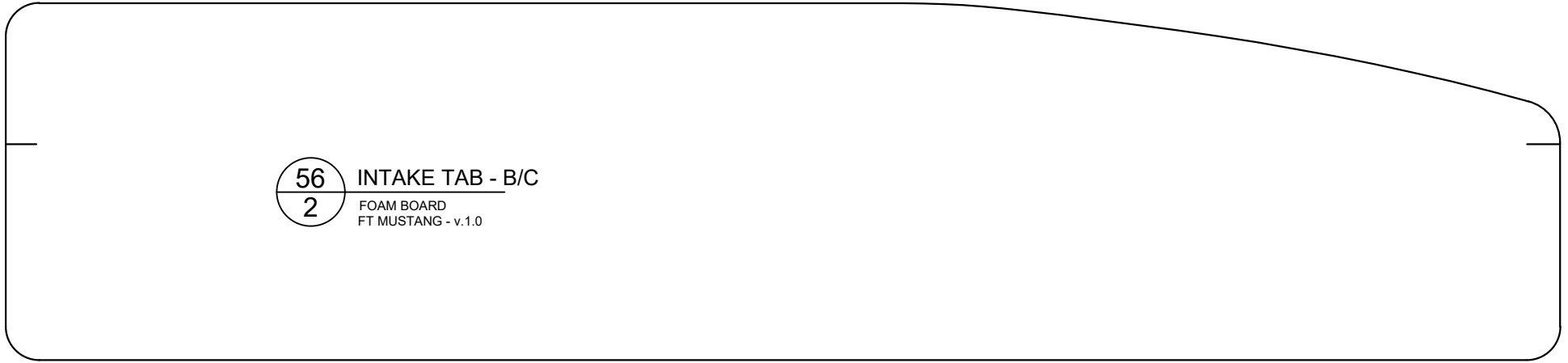
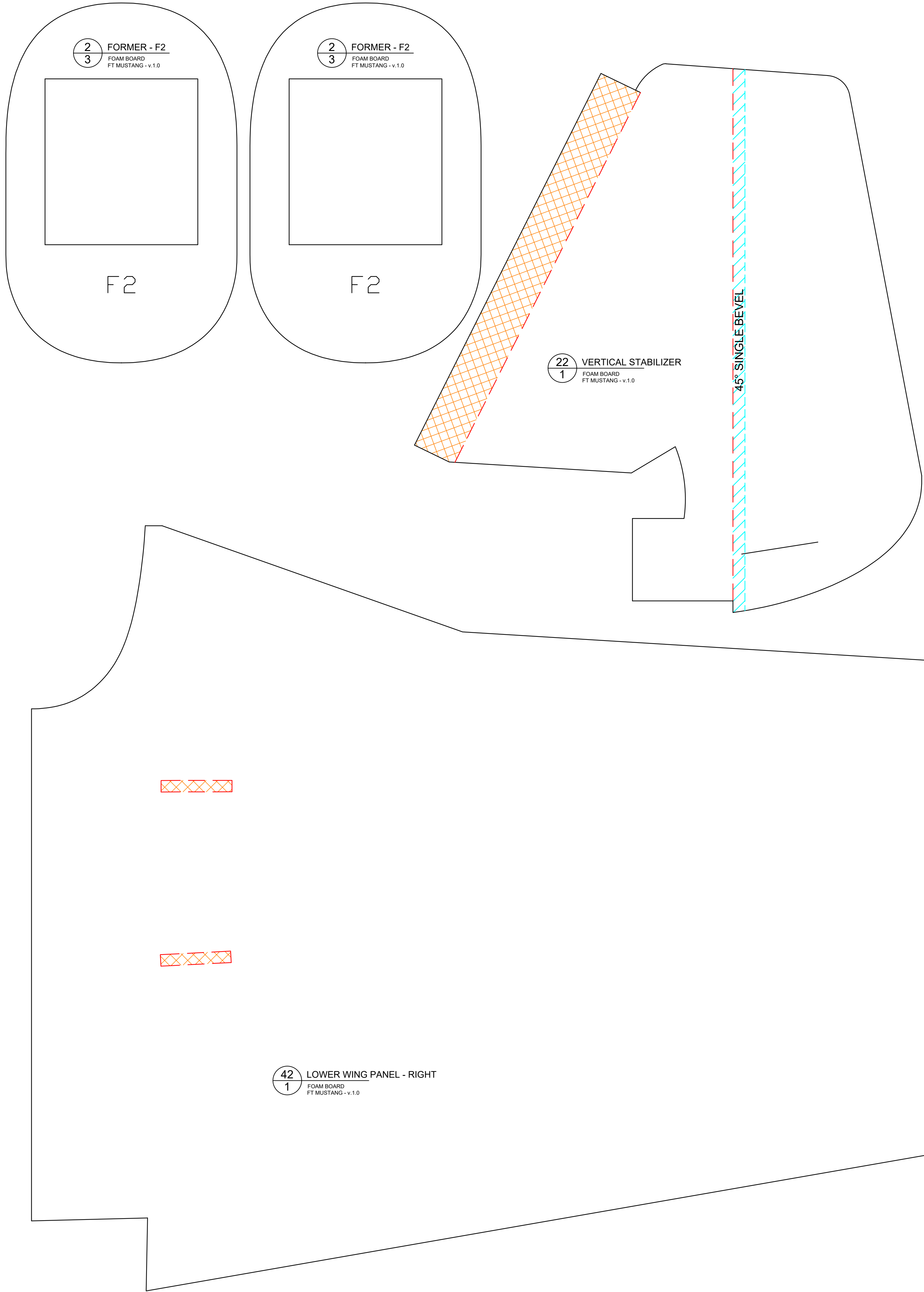
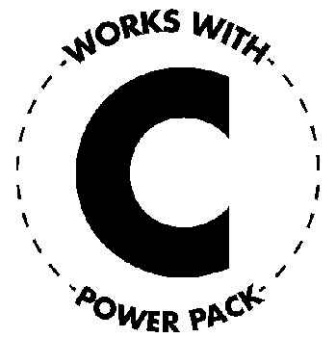
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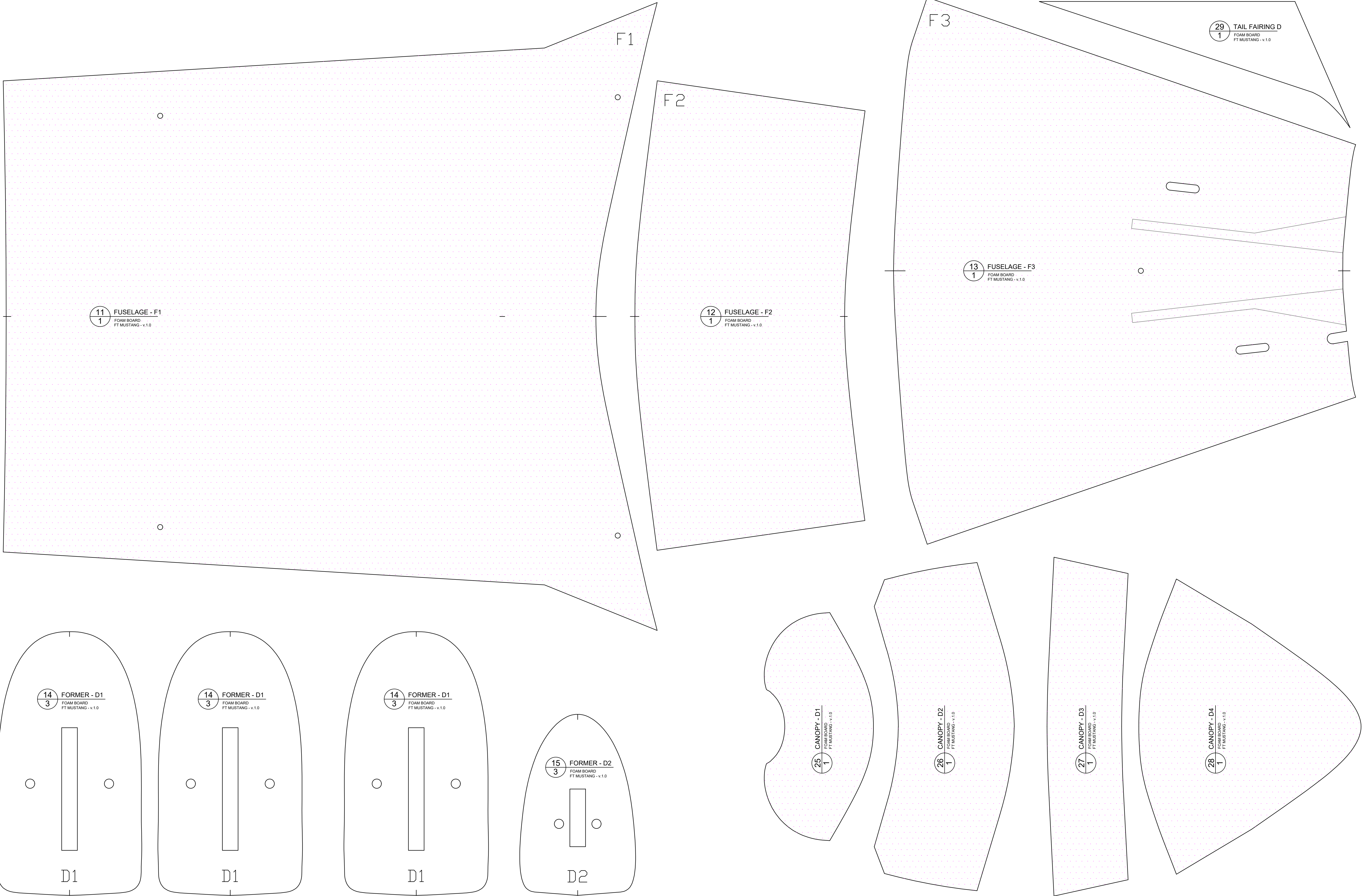
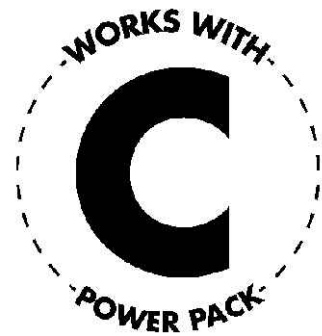
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29
1 TAIL FAIRING D
FOAM BOARD
FT MUSTANG - v.1.0

13
1 FUSELAGE - F3
FOAM BOARD
FT MUSTANG - v.1.0

12
1 FUSELAGE - F2
FOAM BOARD
FT MUSTANG - v.1.0

11
1 FUSELAGE - F1
FOAM BOARD
FT MUSTANG - v.1.0

25
1 CANOPY - D1
FOAM BOARD
FT MUSTANG - v.1.0

26
1 CANOPY - D2
FOAM BOARD
FT MUSTANG - v.1.0

27
1 CANOPY - D3
FOAM BOARD
FT MUSTANG - v.1.0

28
1 CANOPY - D4
FOAM BOARD
FT MUSTANG - v.1.0

15
3 FORMER - D2
FOAM BOARD
FT MUSTANG - v.1.0

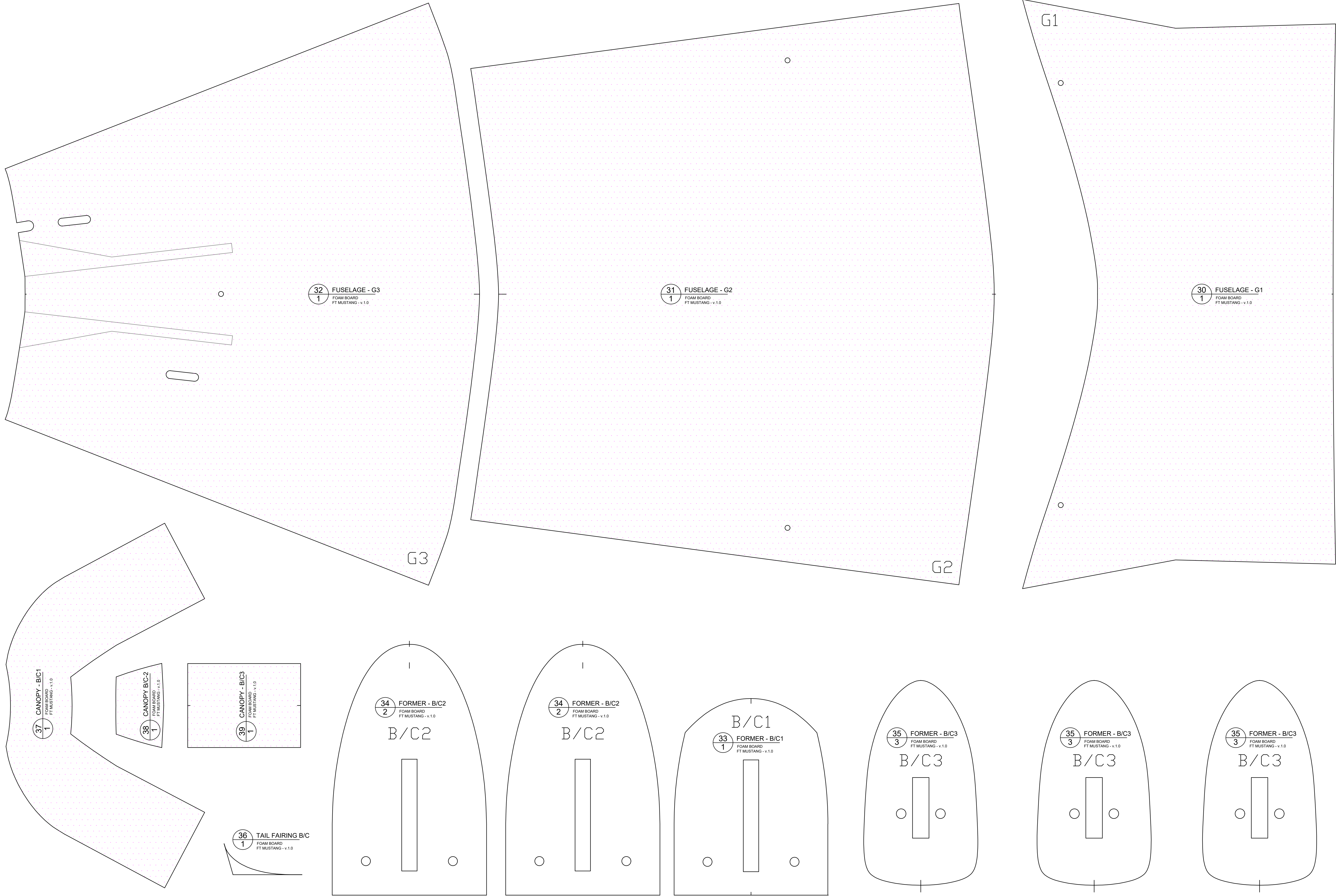
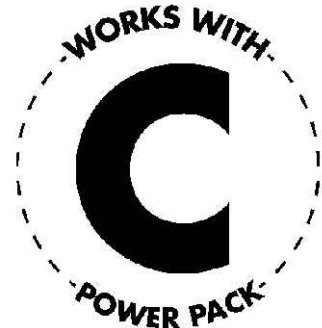
14
3 FORMER - D1
FOAM BOARD
FT MUSTANG - v.1.0

14
3 FORMER - D1
FOAM BOARD
FT MUSTANG - v.1.0

14
3 FORMER - D1
FOAM BOARD
FT MUSTANG - v.1.0

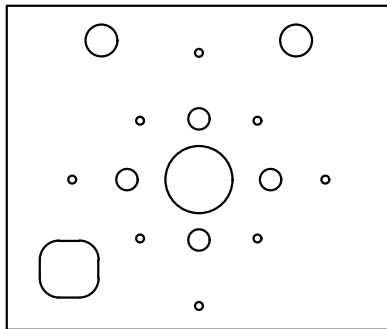
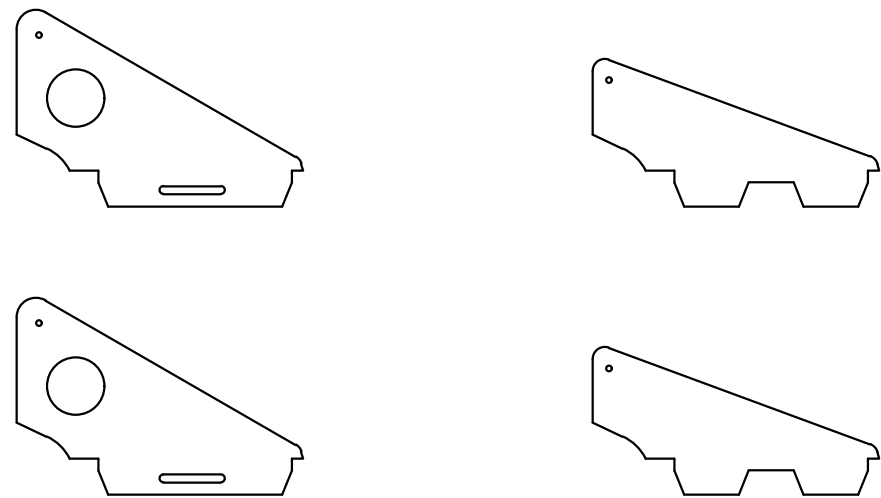
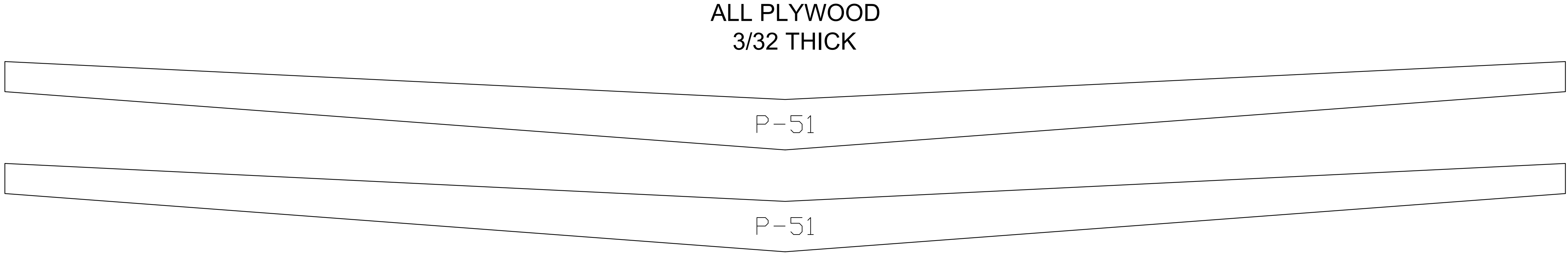
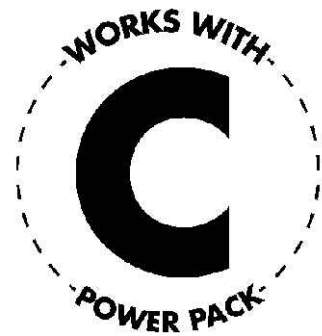
Flite Test Master Series P-51 Mustang

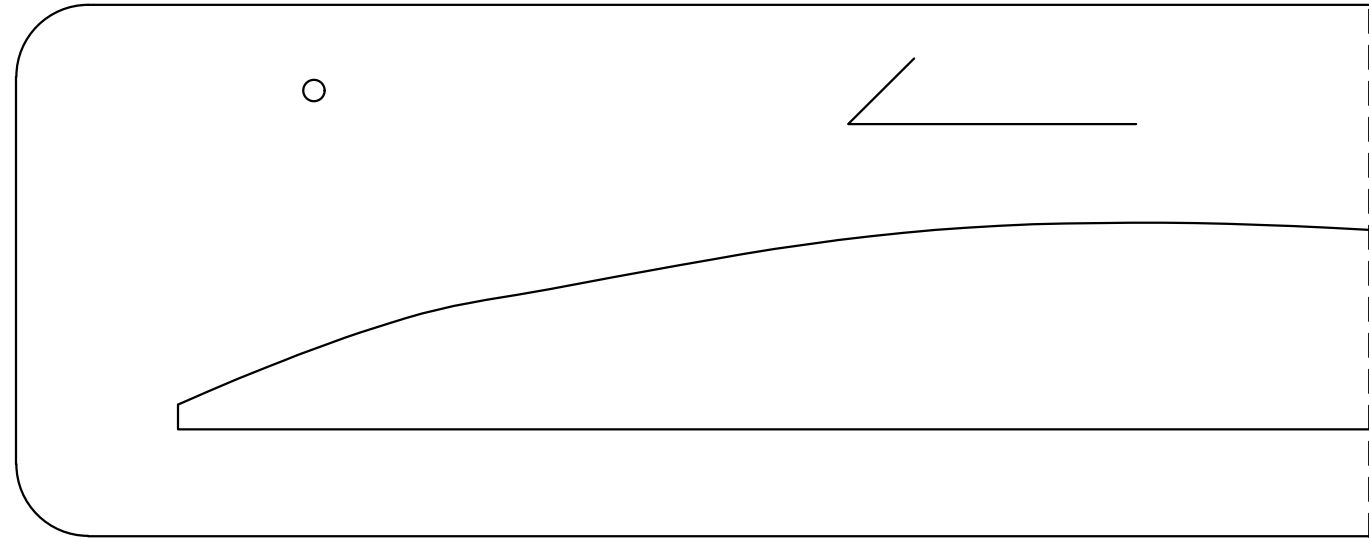
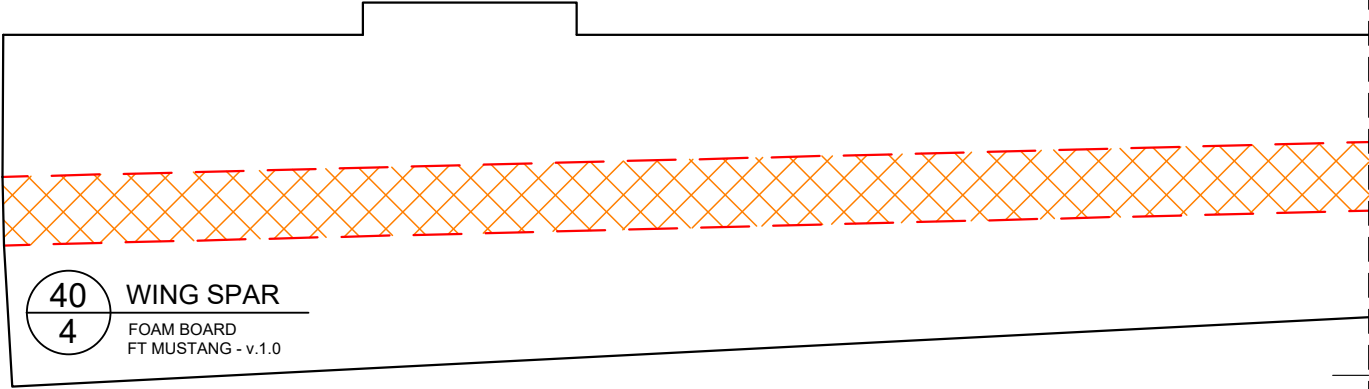
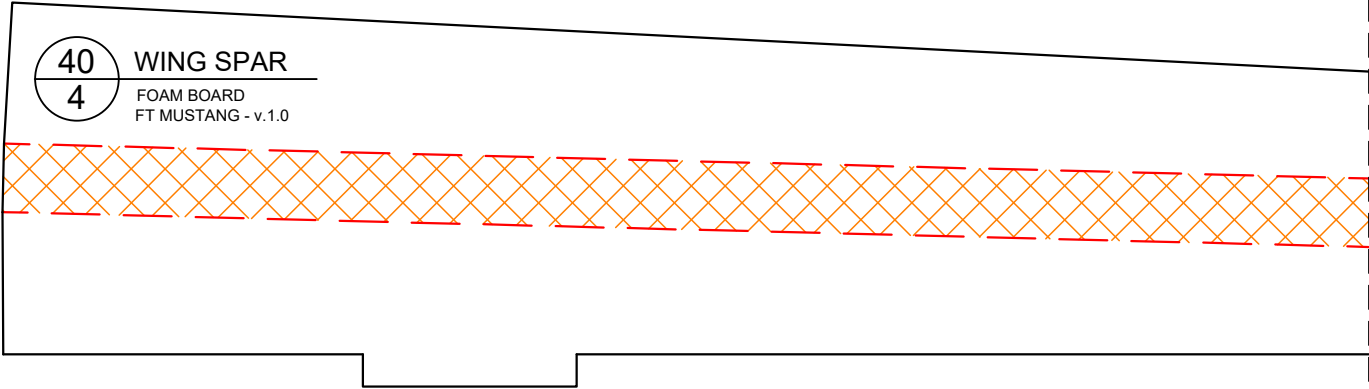
Design By: John Overstreet
Plans By: Dan Sponholz
Version: 1.0
Date: 2020.05.26

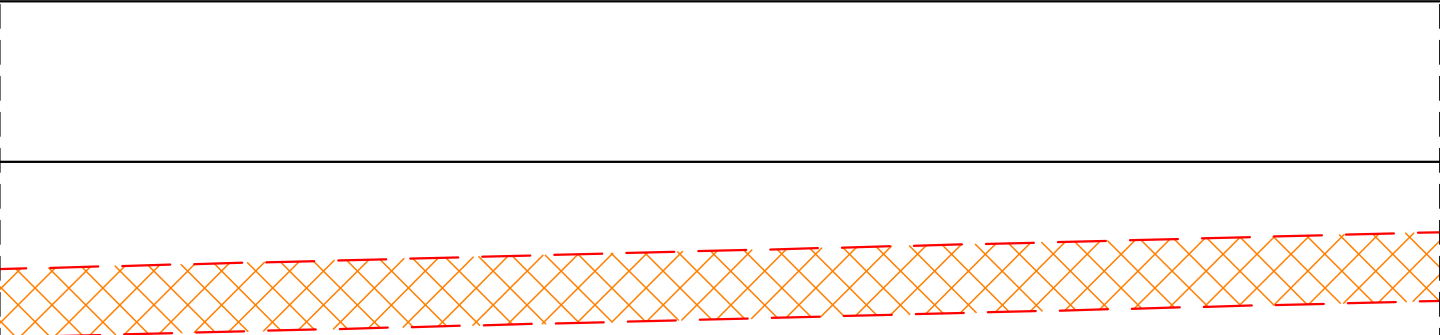
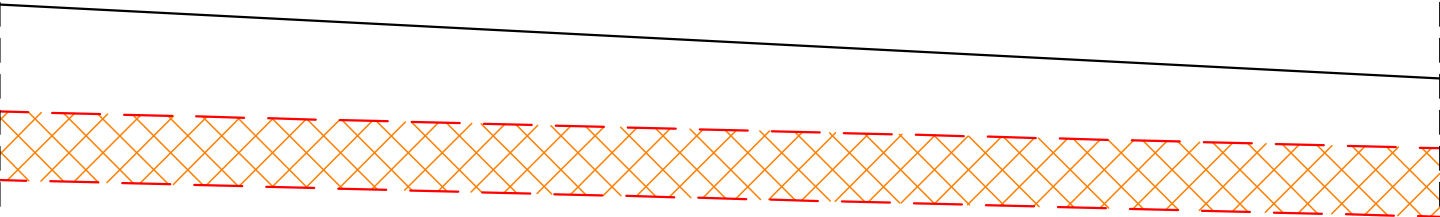


Flite Test Master Series P-51 Mustang

Design By: John Overstreet
Plans By: Dan Sponholz
Version: 1.0
Date: 2020.05.26







G1

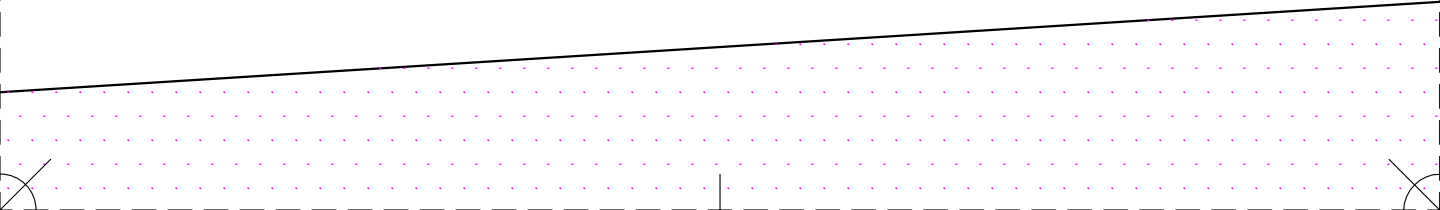
WING SLOT TEMPLATE
FOAM BOARD
FT MUSTANG - v.1.0

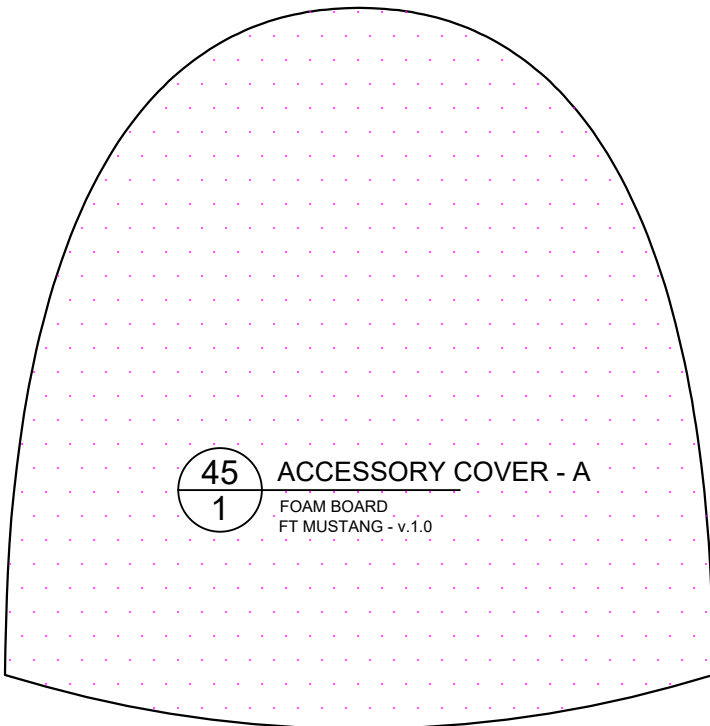
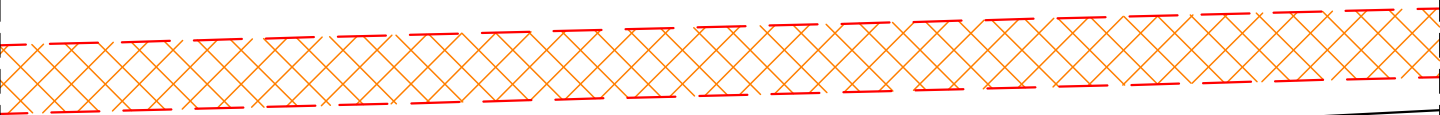
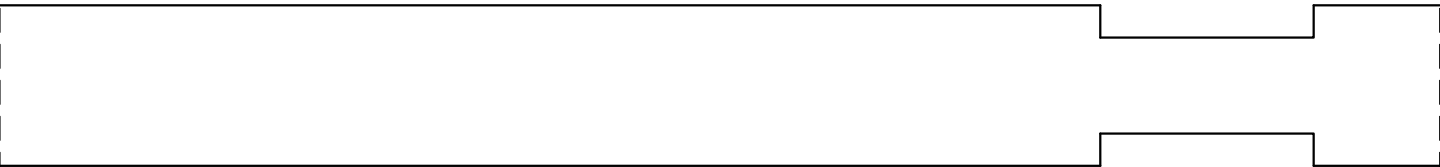
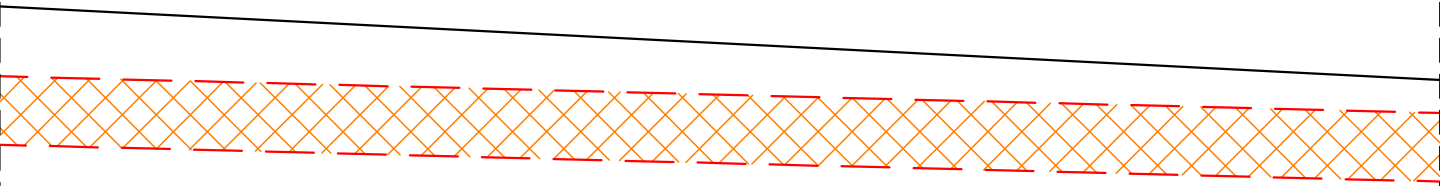
47
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ACCESSORY COVER - C
FOAM BOARD
FT MUSTANG - v.1.0

48
1

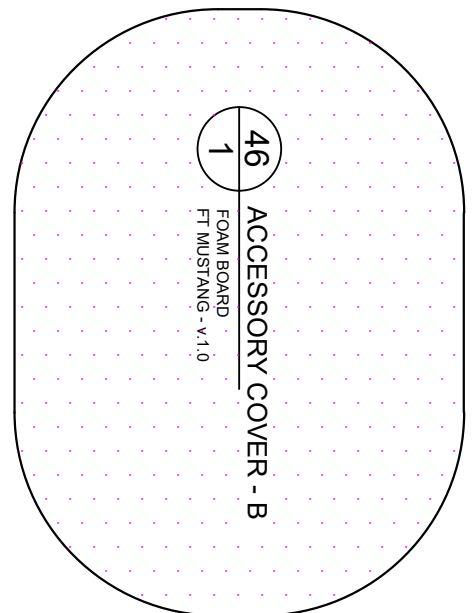
ACCESSORY COVER - D
FOAM BOARD
FT MUSTANG - v.1.0





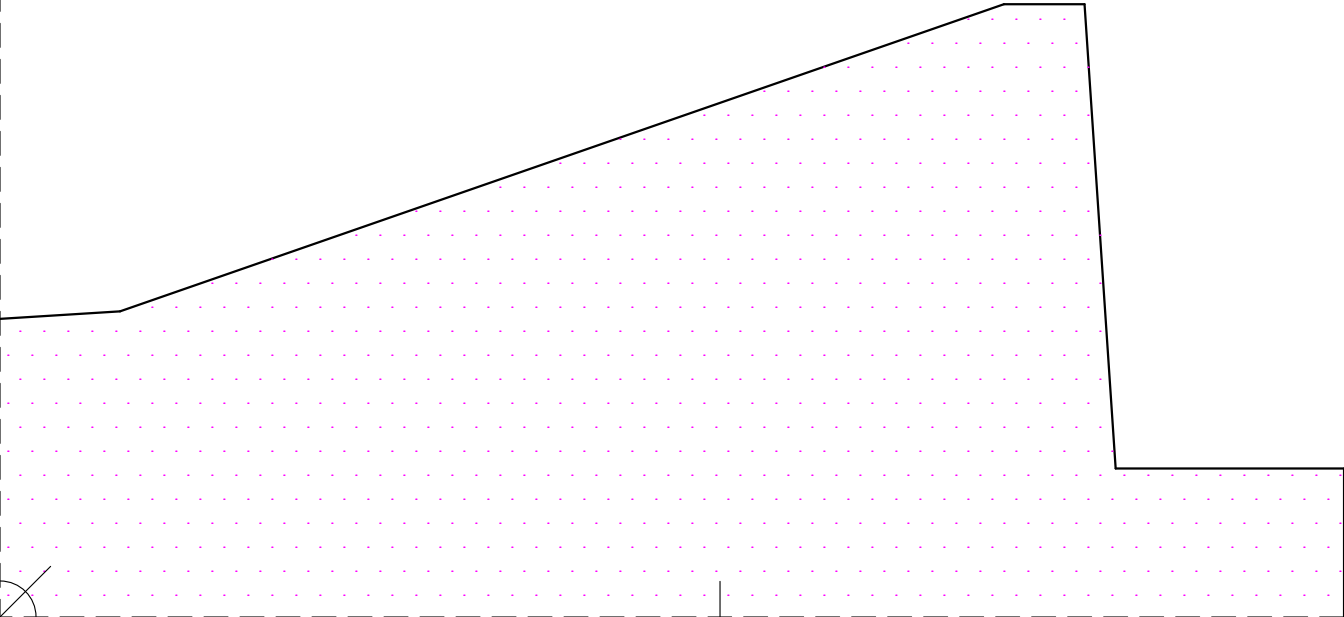
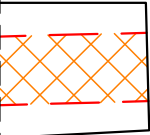
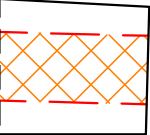
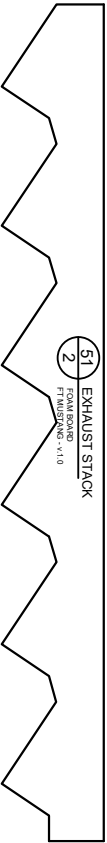
45
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ACCESSORY COVER - A
FOAM BOARD
FT MUSTANG - v.1.0



46
1

ACCESSORY COVER - B
FOAM BOARD
FT MUSTANG - v.1.0



6
4

FORMER SUPPORTS (F3)

FOAM BOARD
FT MUSTANG - v.1.0

6
4

FORMER SUPPORTS (F3)

FOAM BOARD
FT MUSTANG - v.1.0

6
4

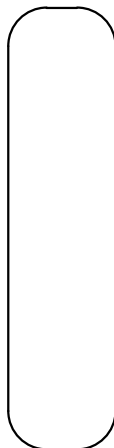
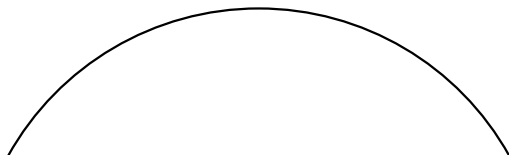
FORMER SUPPORTS (F3)

FOAM BOARD
FT MUSTANG - v.1.0

6
4

FORMER SUPPORTS (F3)

FOAM BOARD
FT MUSTANG - v.1.0



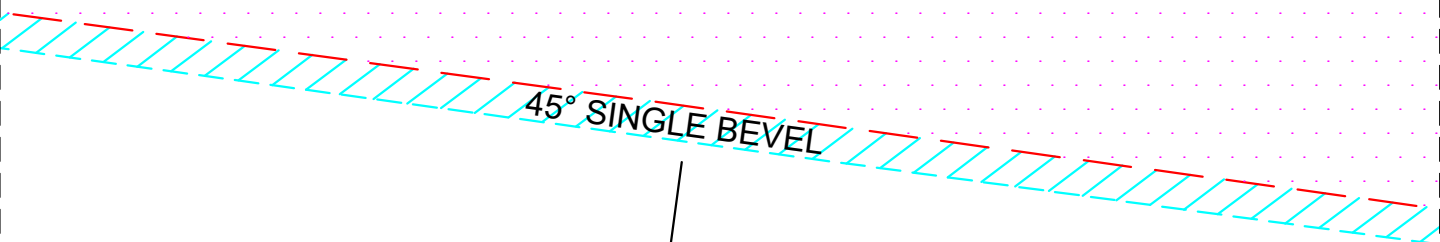
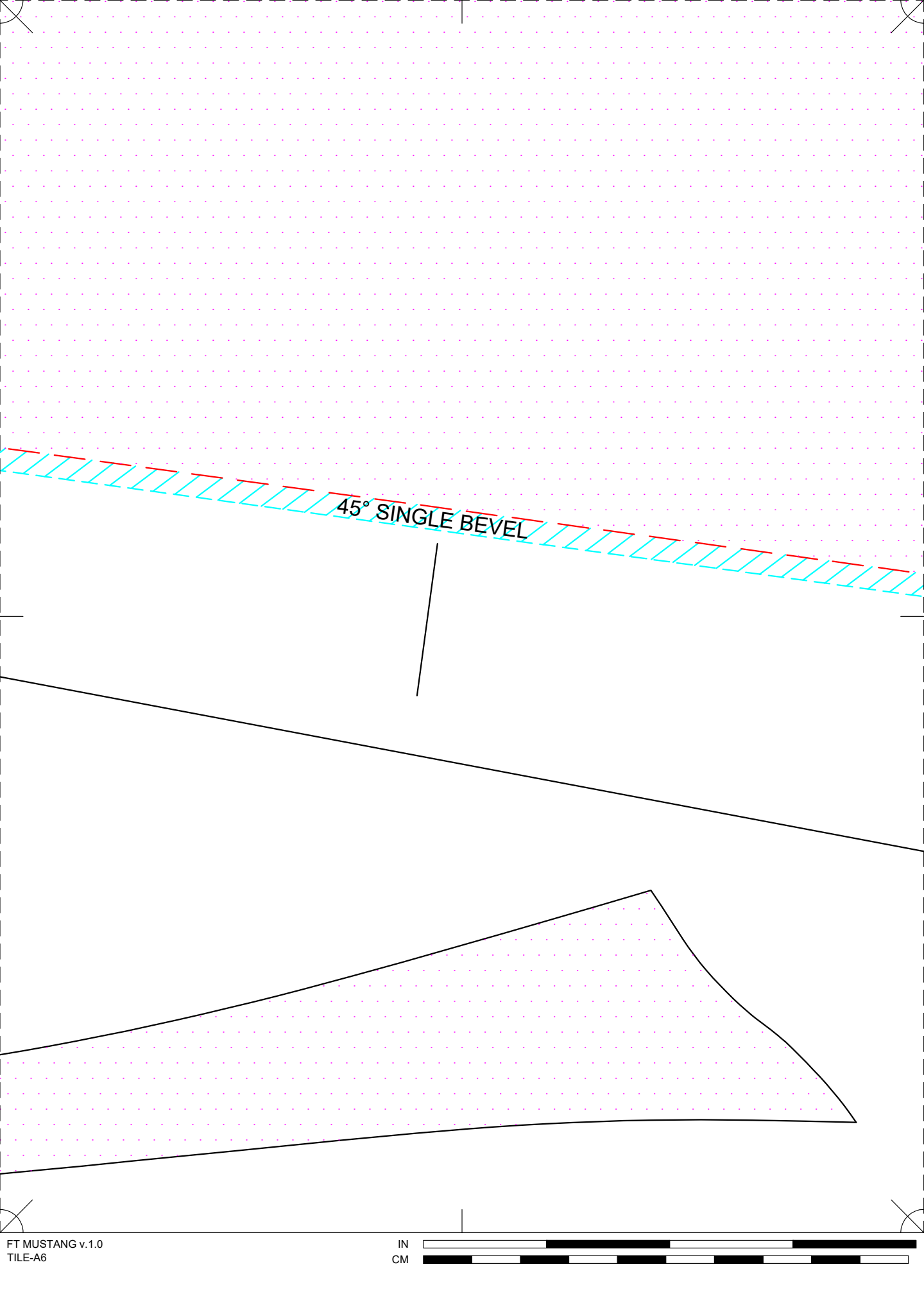
52

1

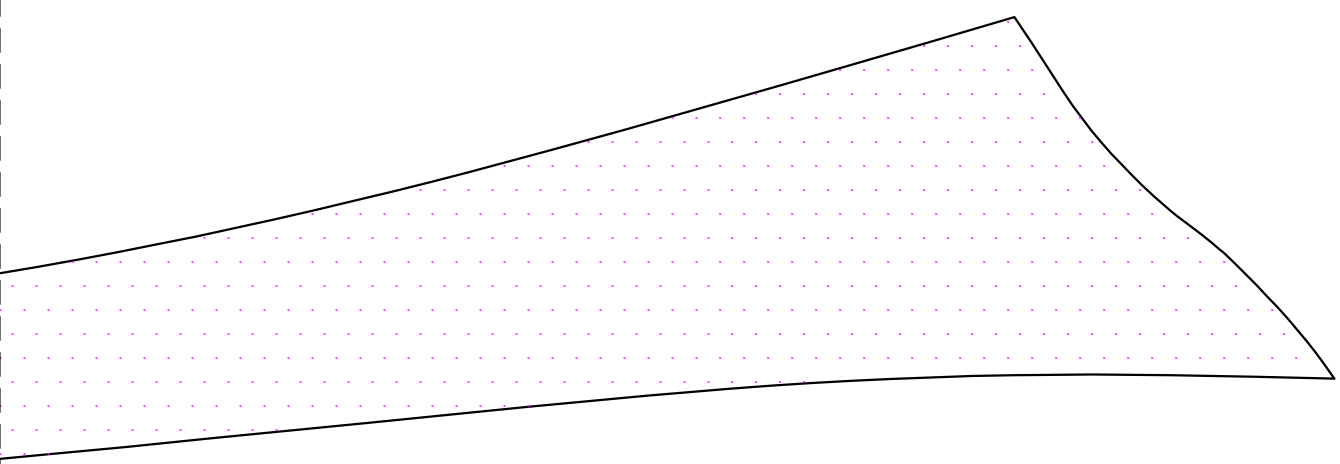
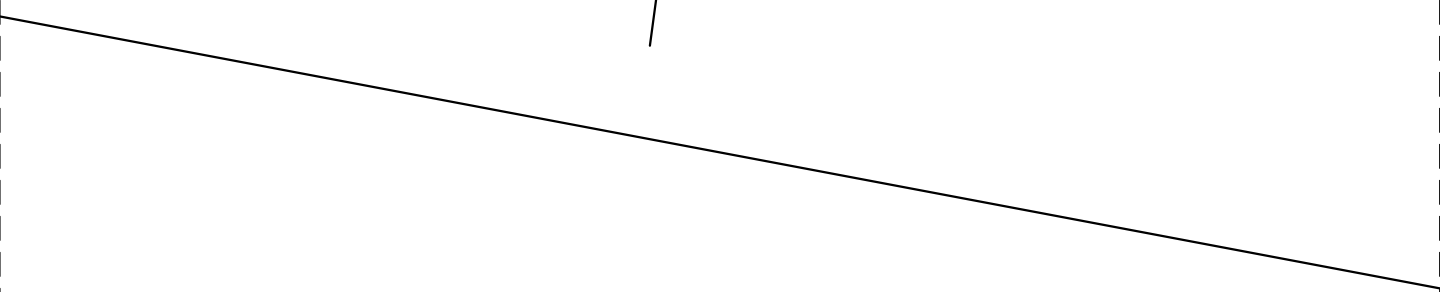
WING FAIRING - LEFT

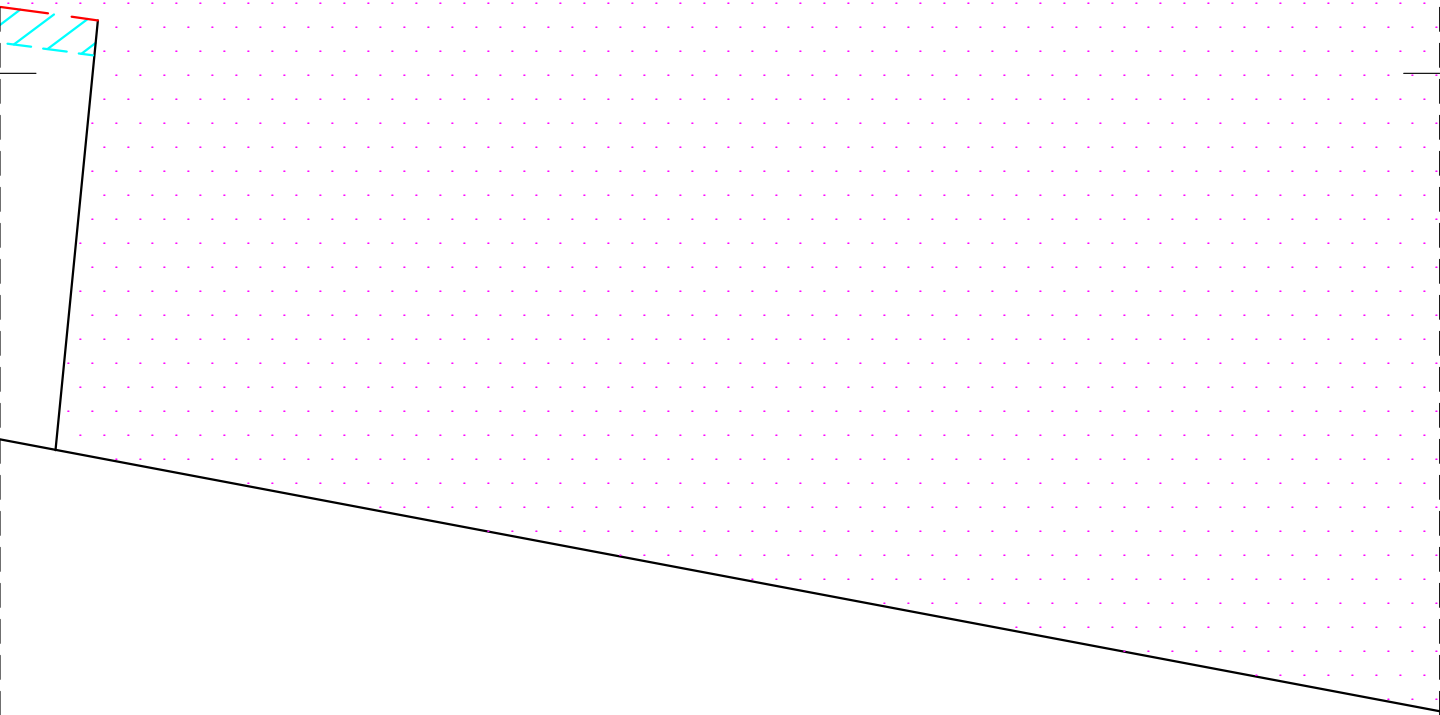
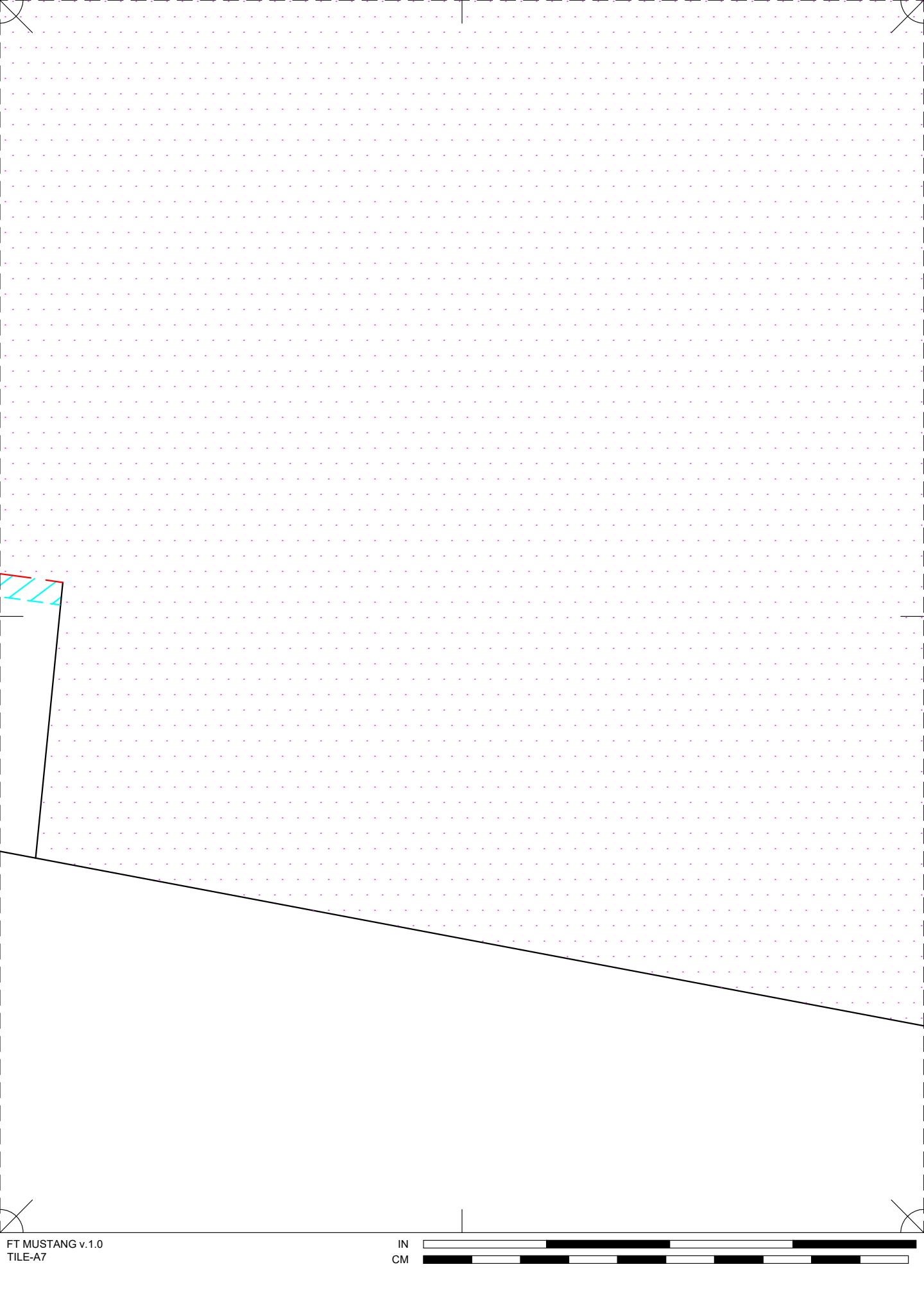
FOAM BOARD
FT MUSTANG - v.1.0





45° SINGLE BEVEL



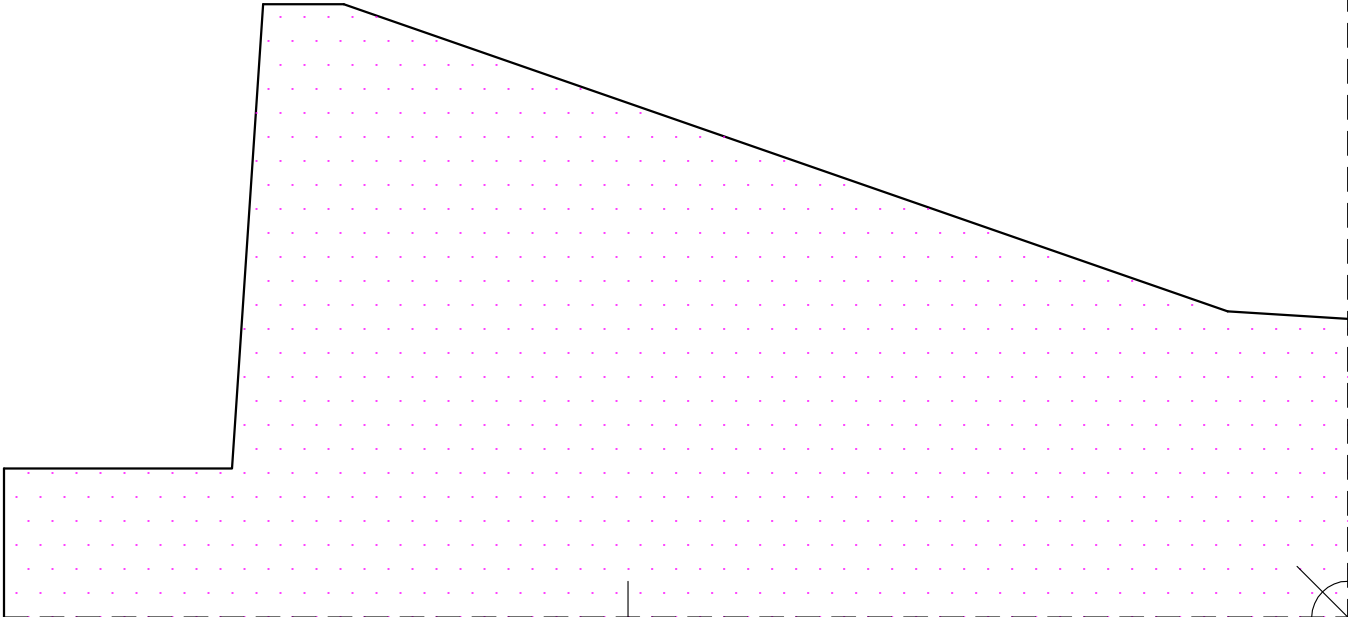
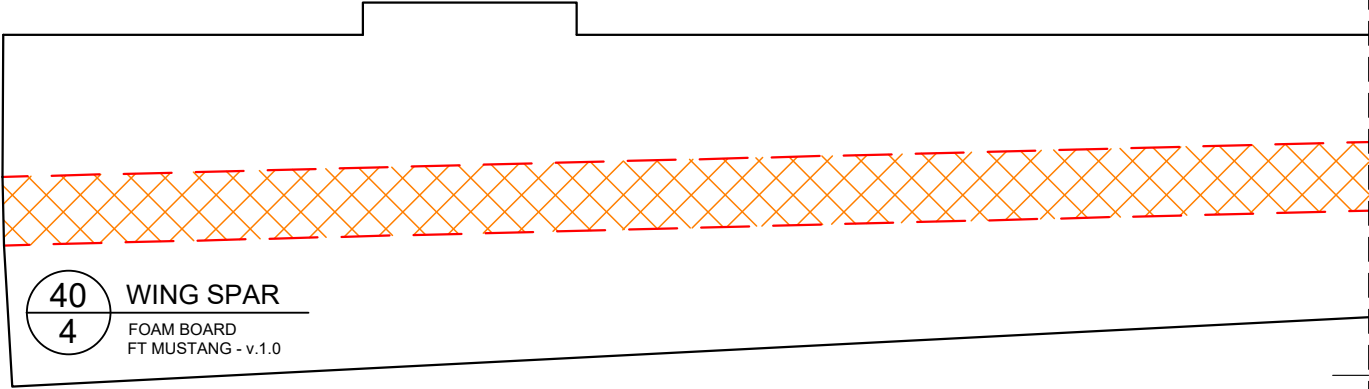
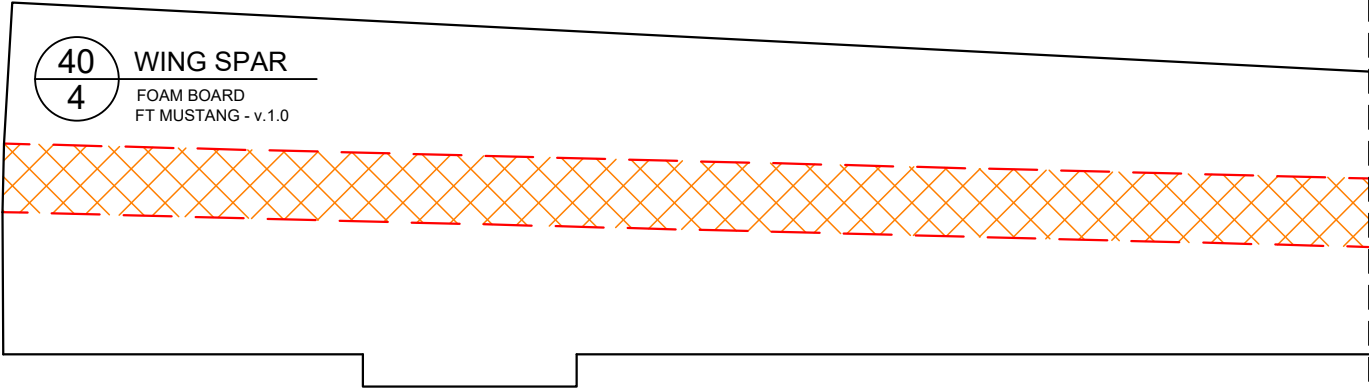


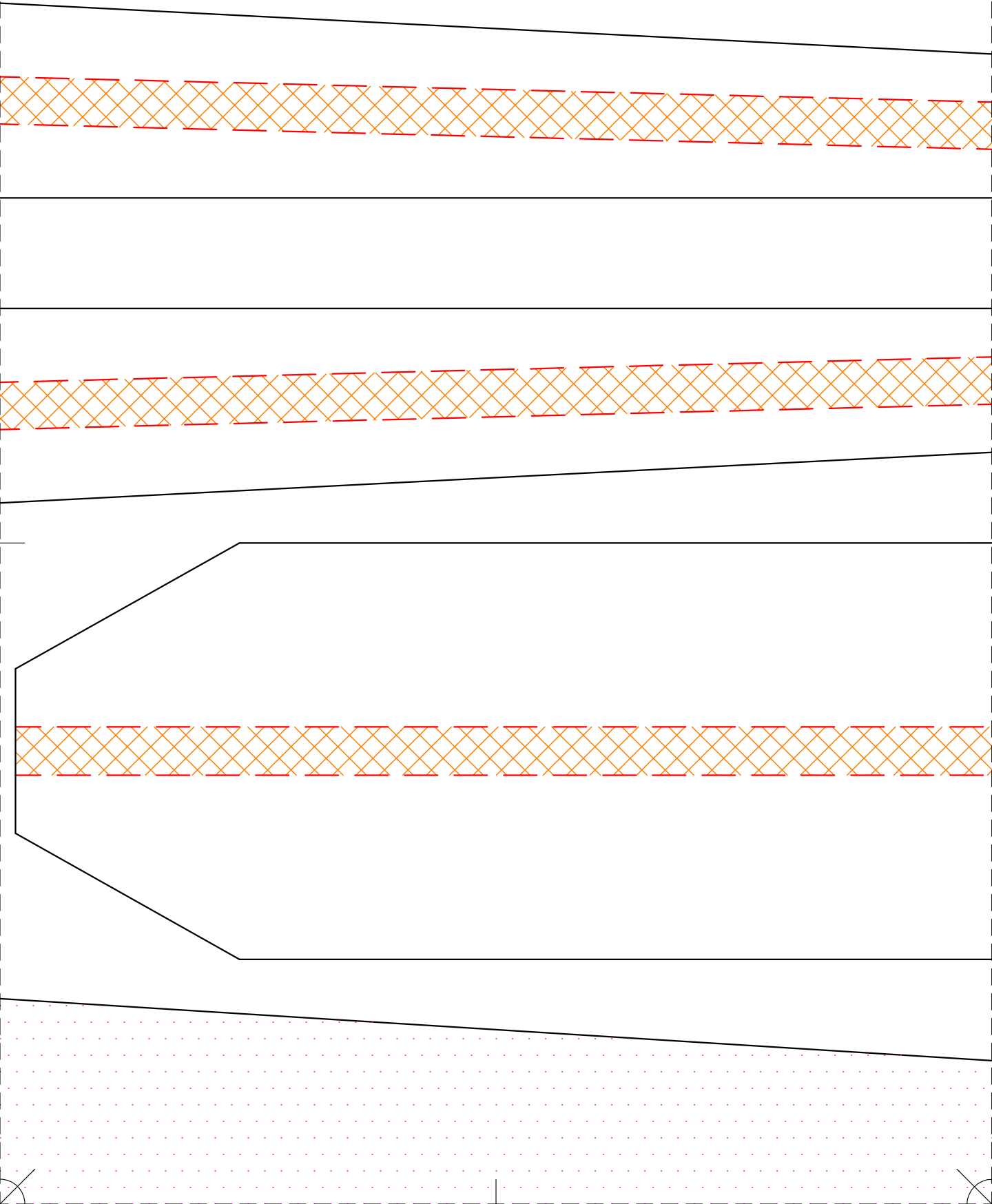
44
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UPPER WING PANEL - RIGHT

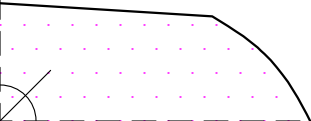
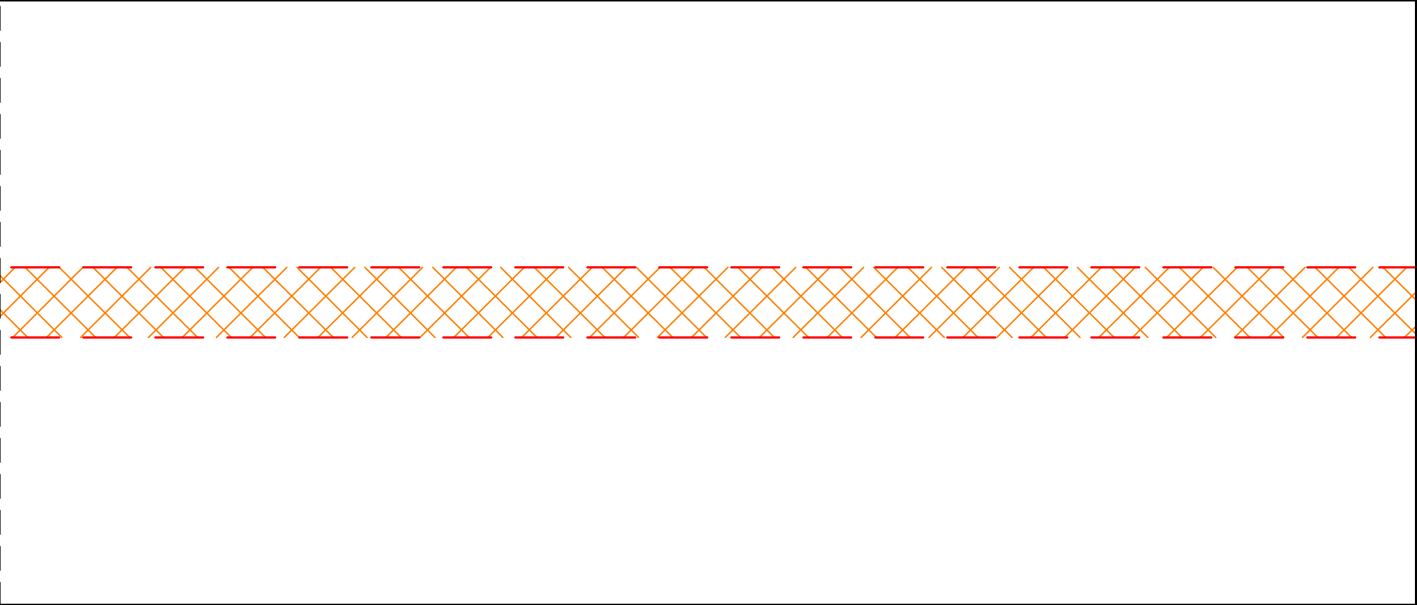
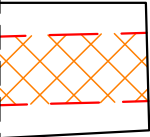
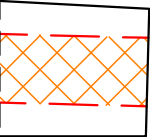
FOAM BOARD
FT MUSTANG - v.1.0







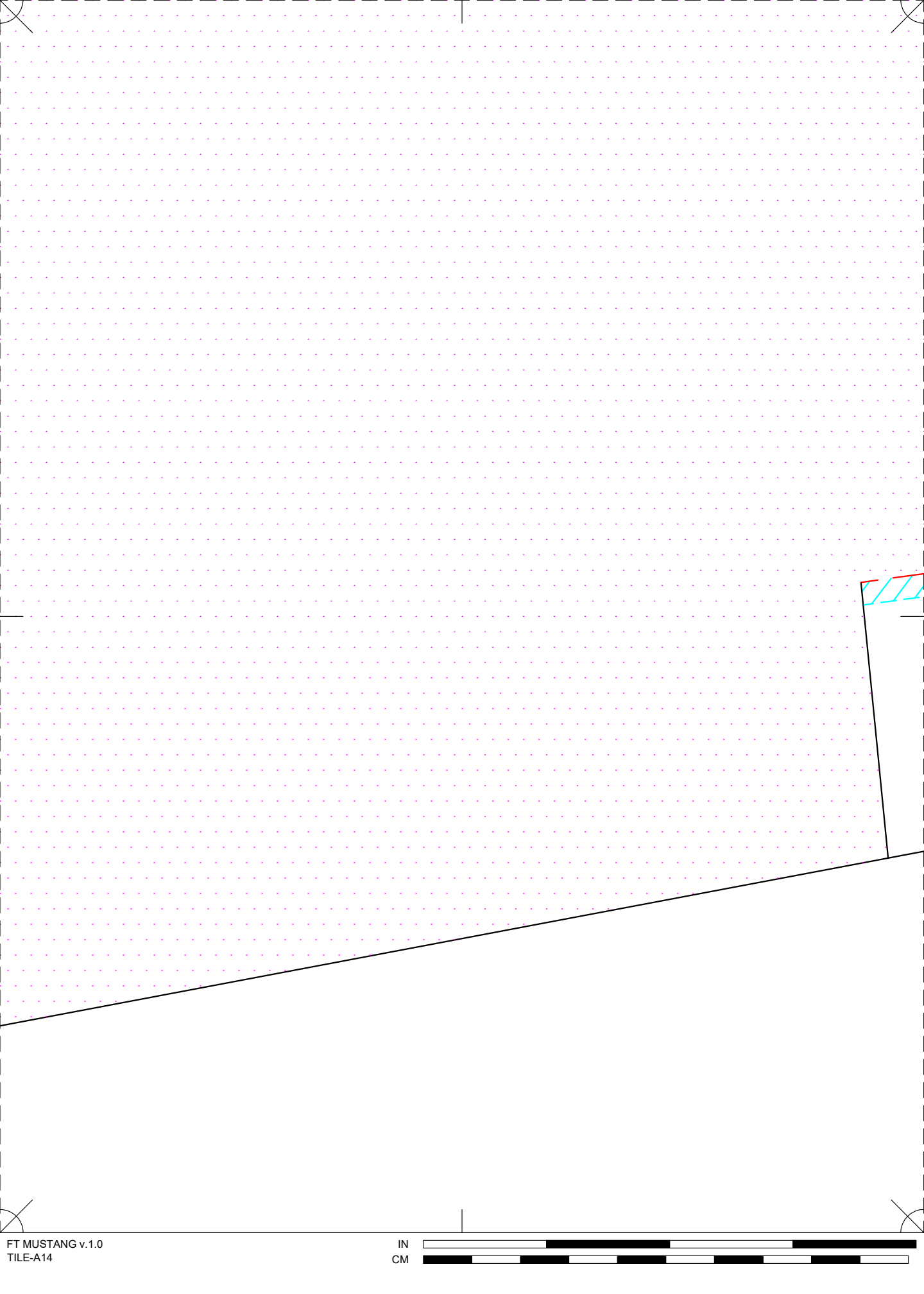
16 SPINE
1 FOAM BOARD
FT MUSTANG - v.1.0

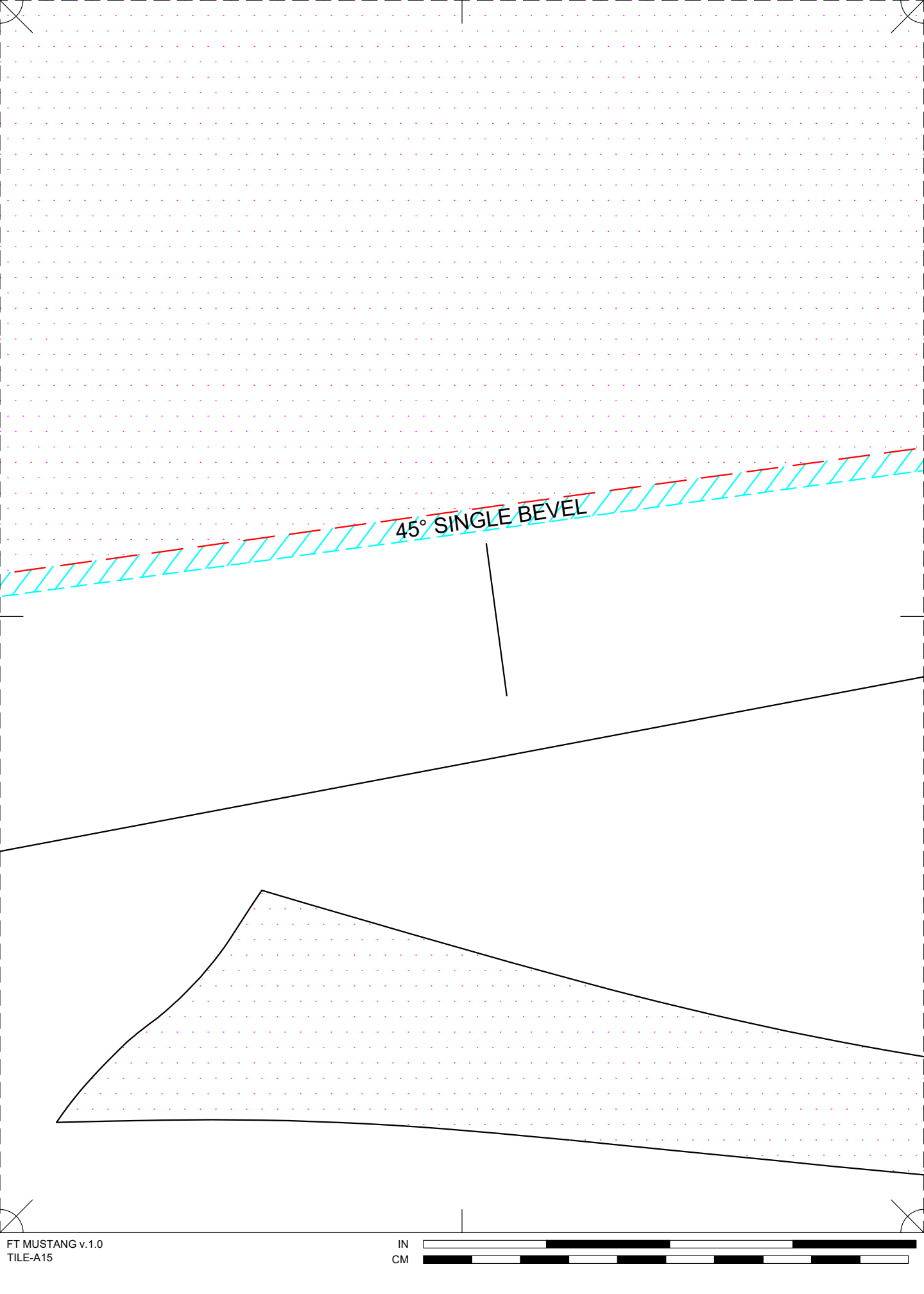


43
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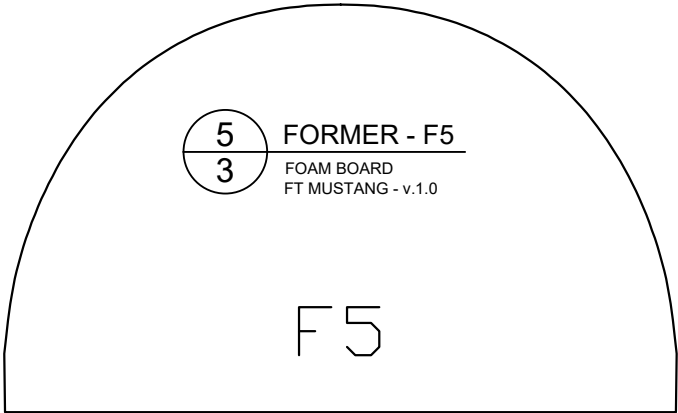
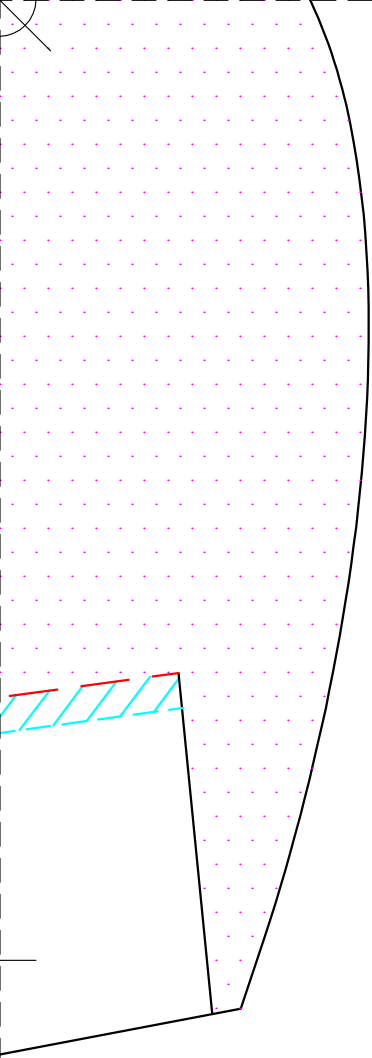
UPPER WING PANEL - LEFT

FOAM BOARD
FT MUSTANG - v.1.0





45° SINGLE BEVEL

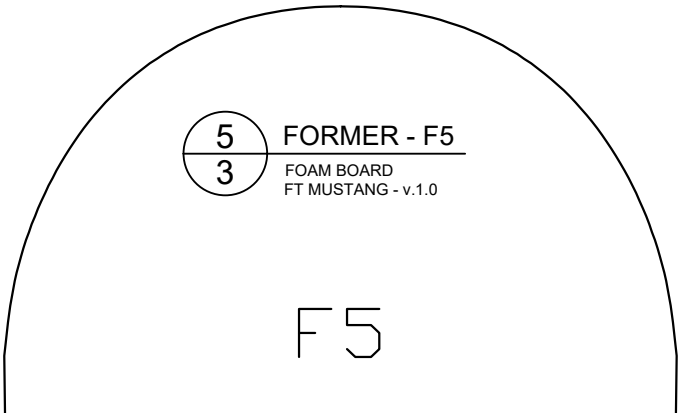


5
3

FORMER - F5

FOAM BOARD
FT MUSTANG - v.1.0

F5

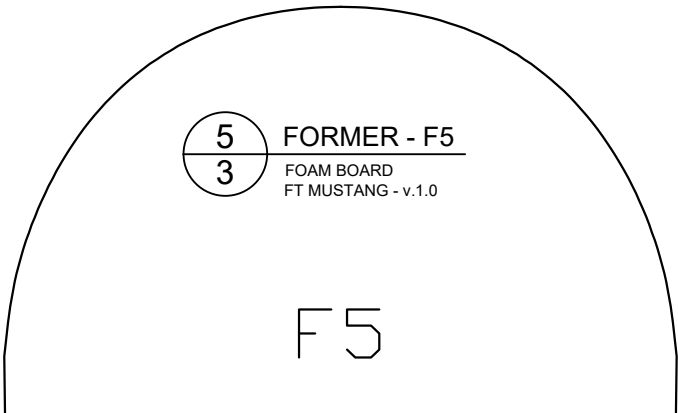


5
3

FORMER - F5

FOAM BOARD
FT MUSTANG - v.1.0

F5

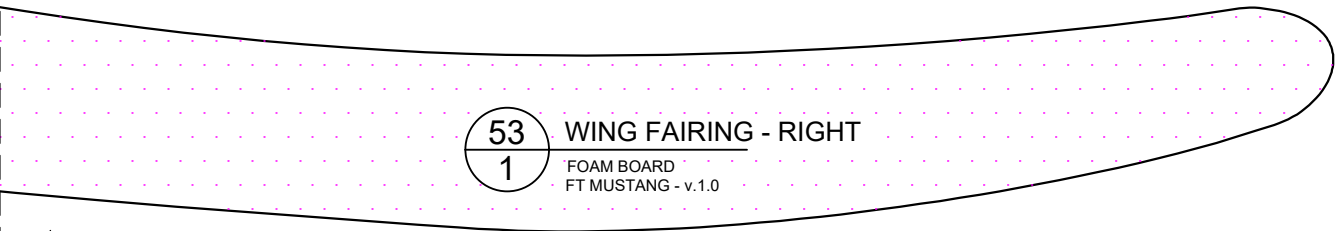


5
3

FORMER - F5

FOAM BOARD
FT MUSTANG - v.1.0

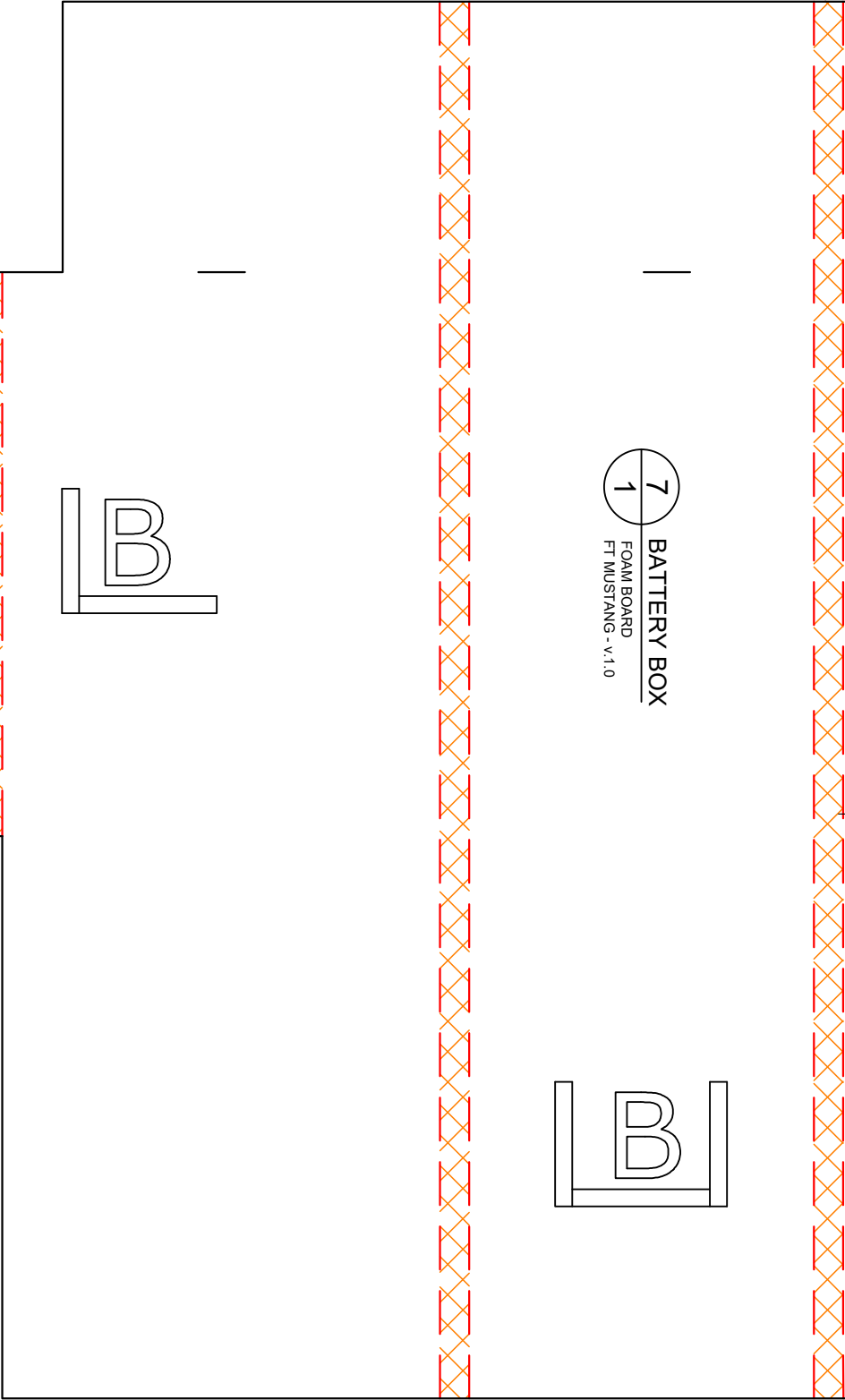
F5



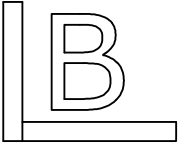
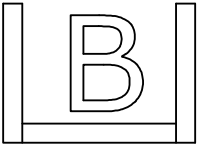
53
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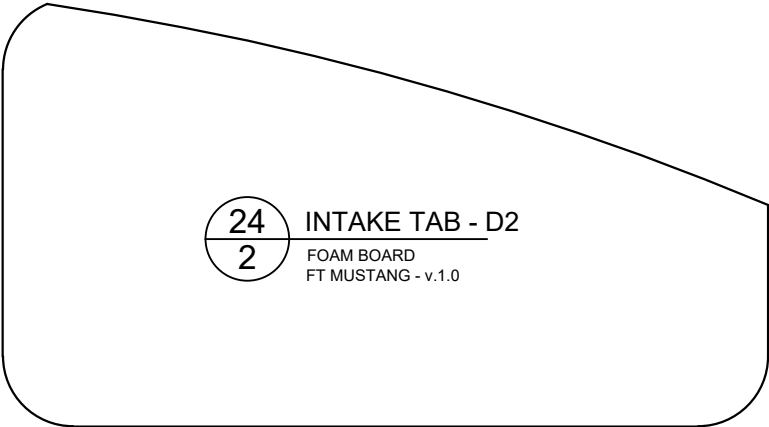
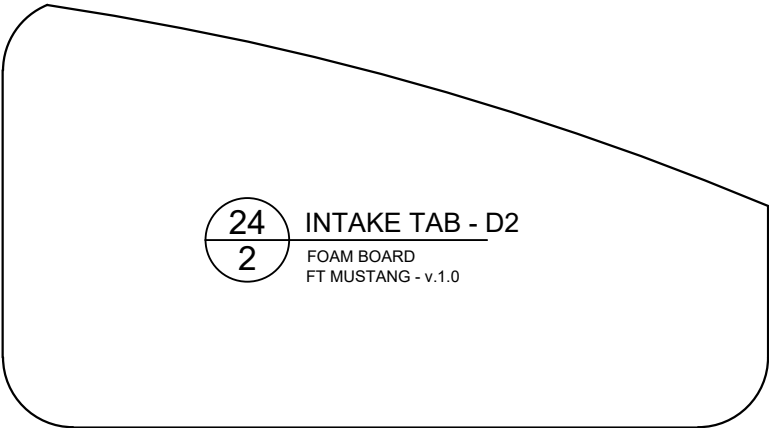
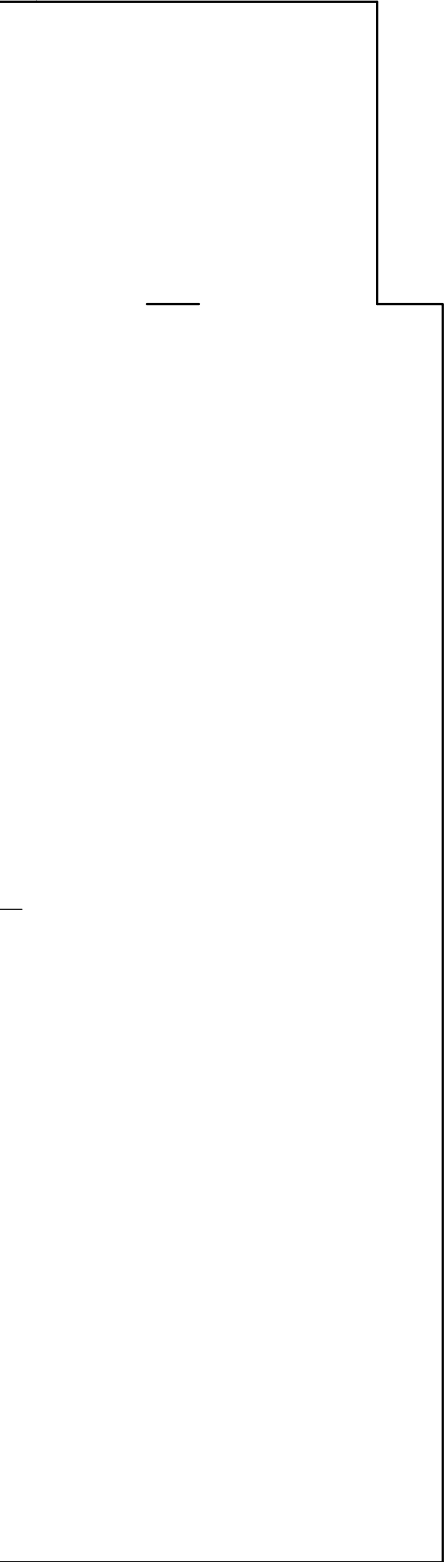
WING FAIRING - RIGHT

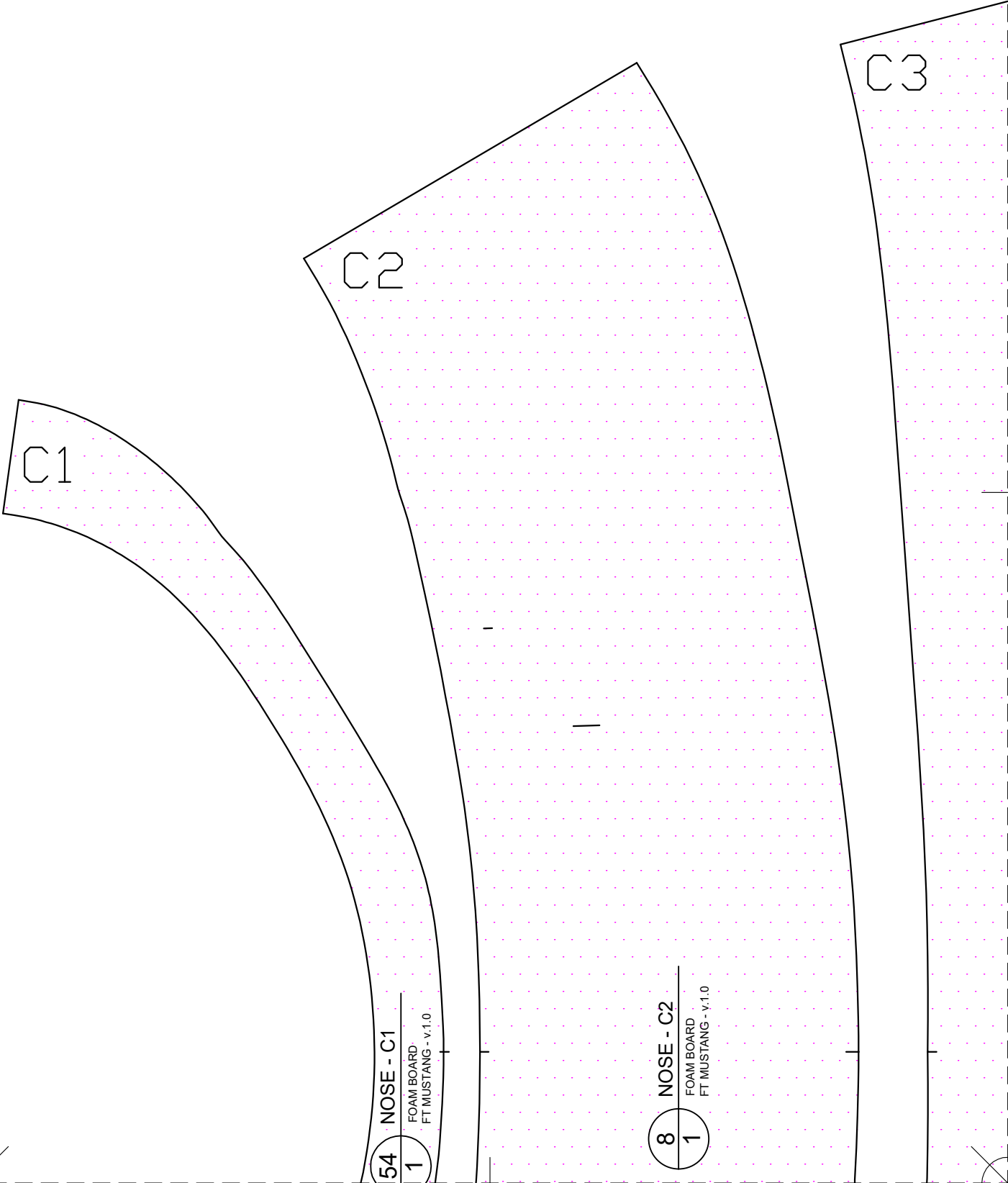
FOAM BOARD
FT MUSTANG - v.1.0

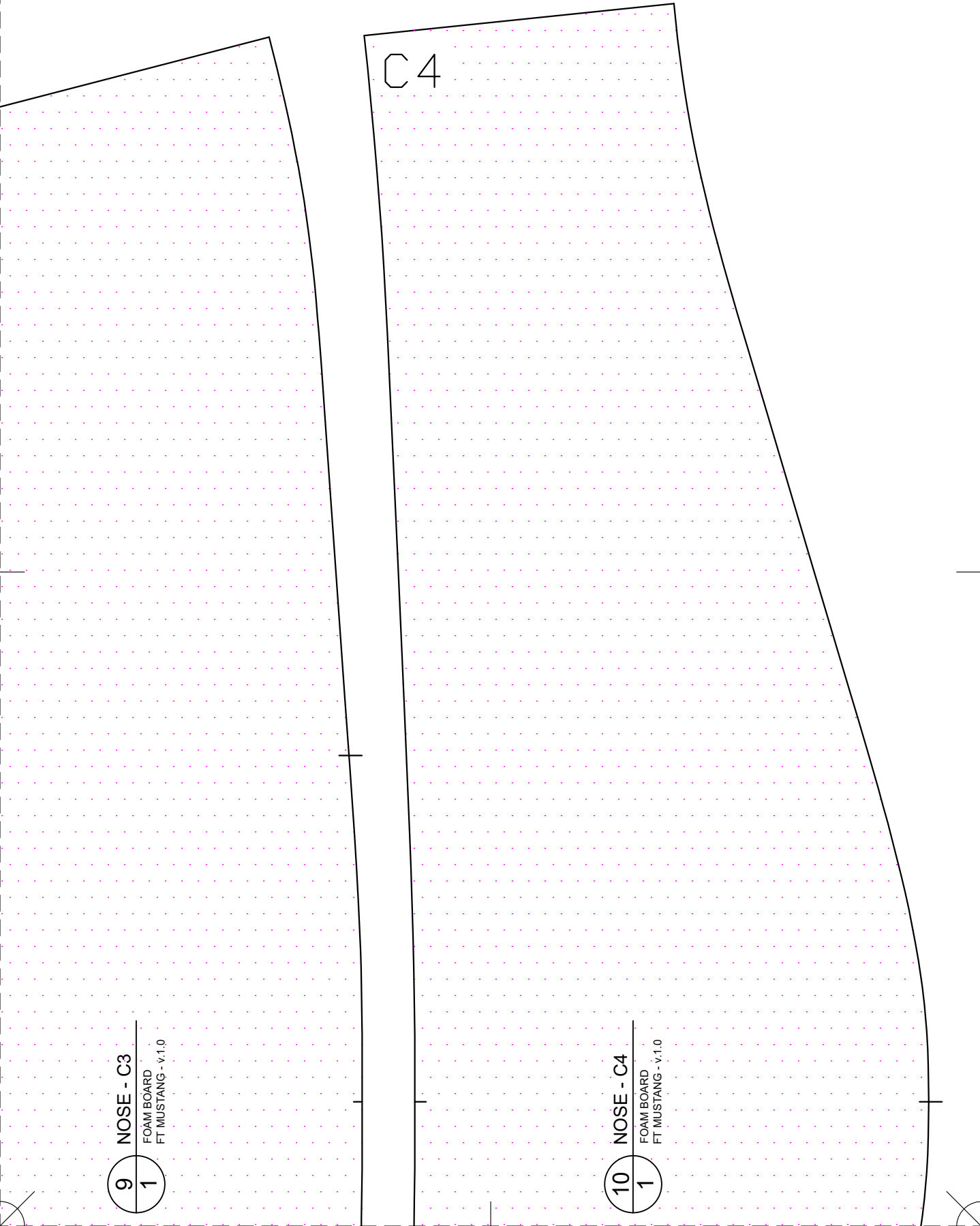


BATTERY BOX
FOAM BOARD
FT MUSTANG - v.1.0









9 NOSE - C3

FOAM BOARD
FT MUSTANG - v.1.0

1

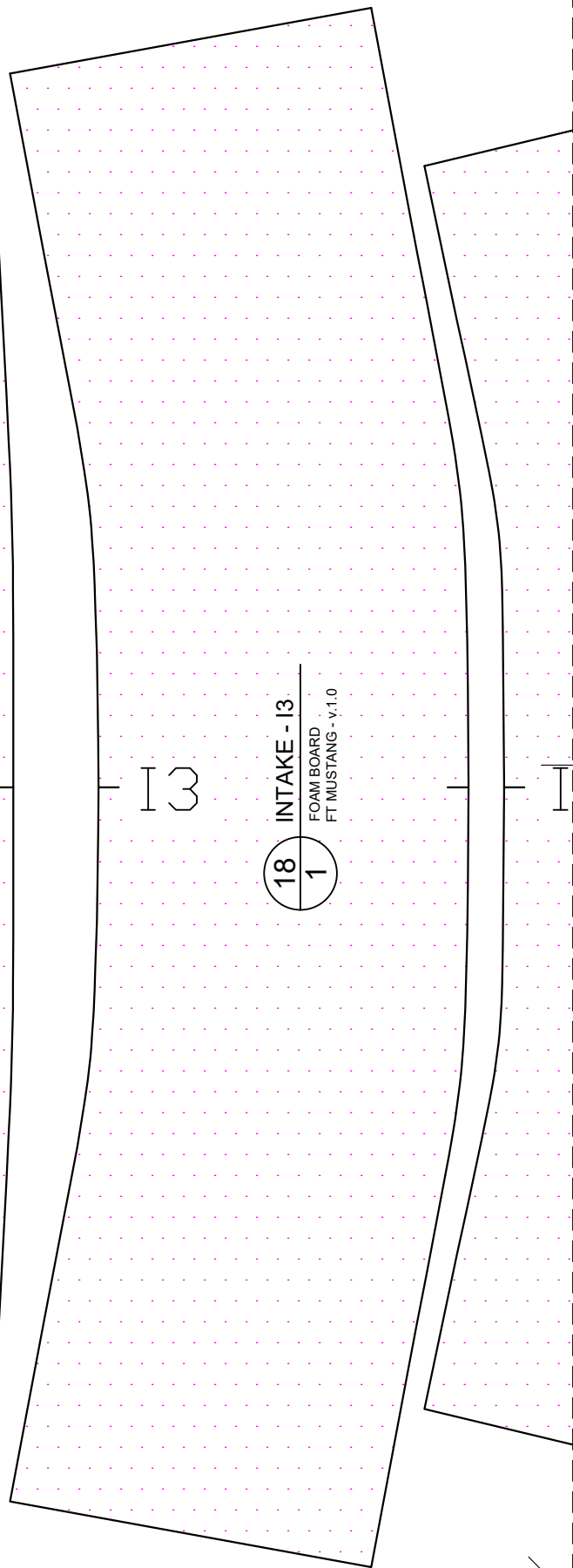
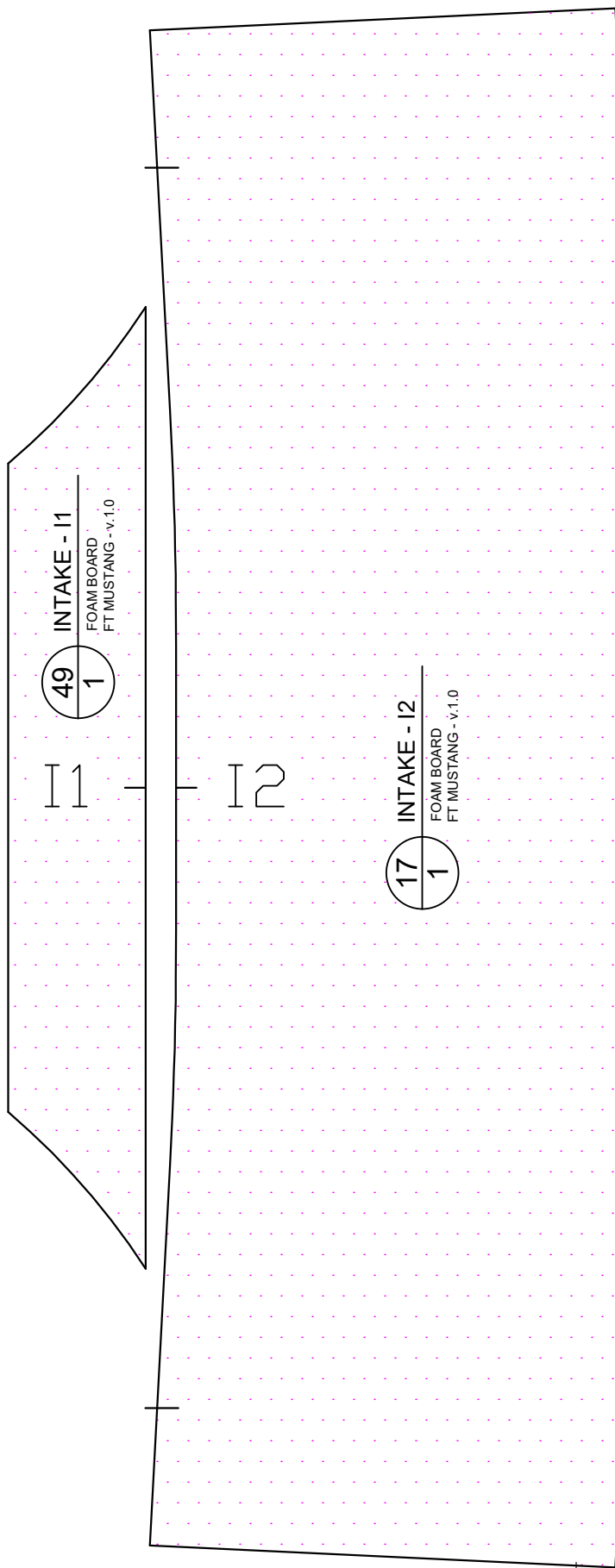
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10 NOSE - C4

FOAM BOARD
FT MUSTANG - v.1.0

1

1

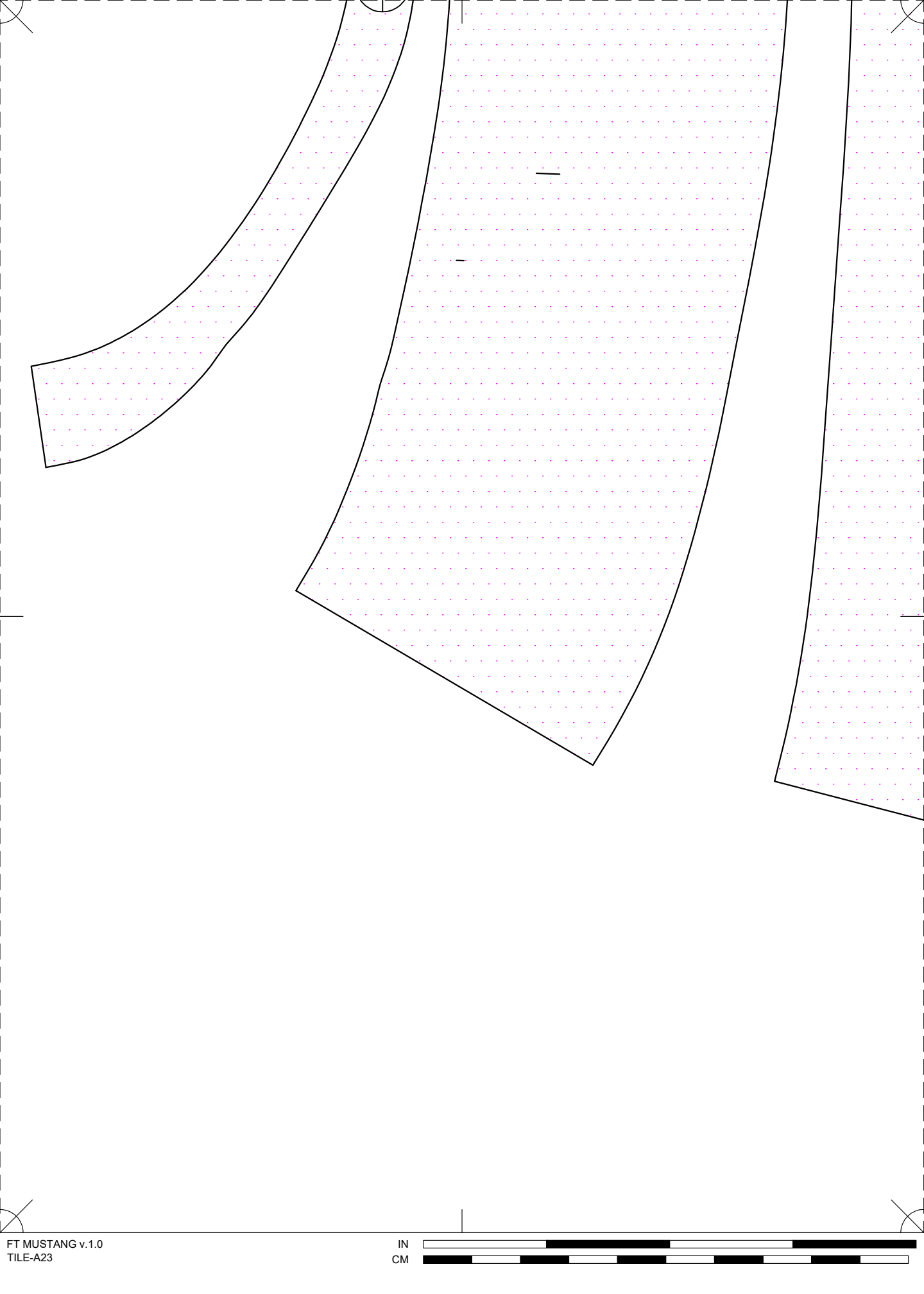


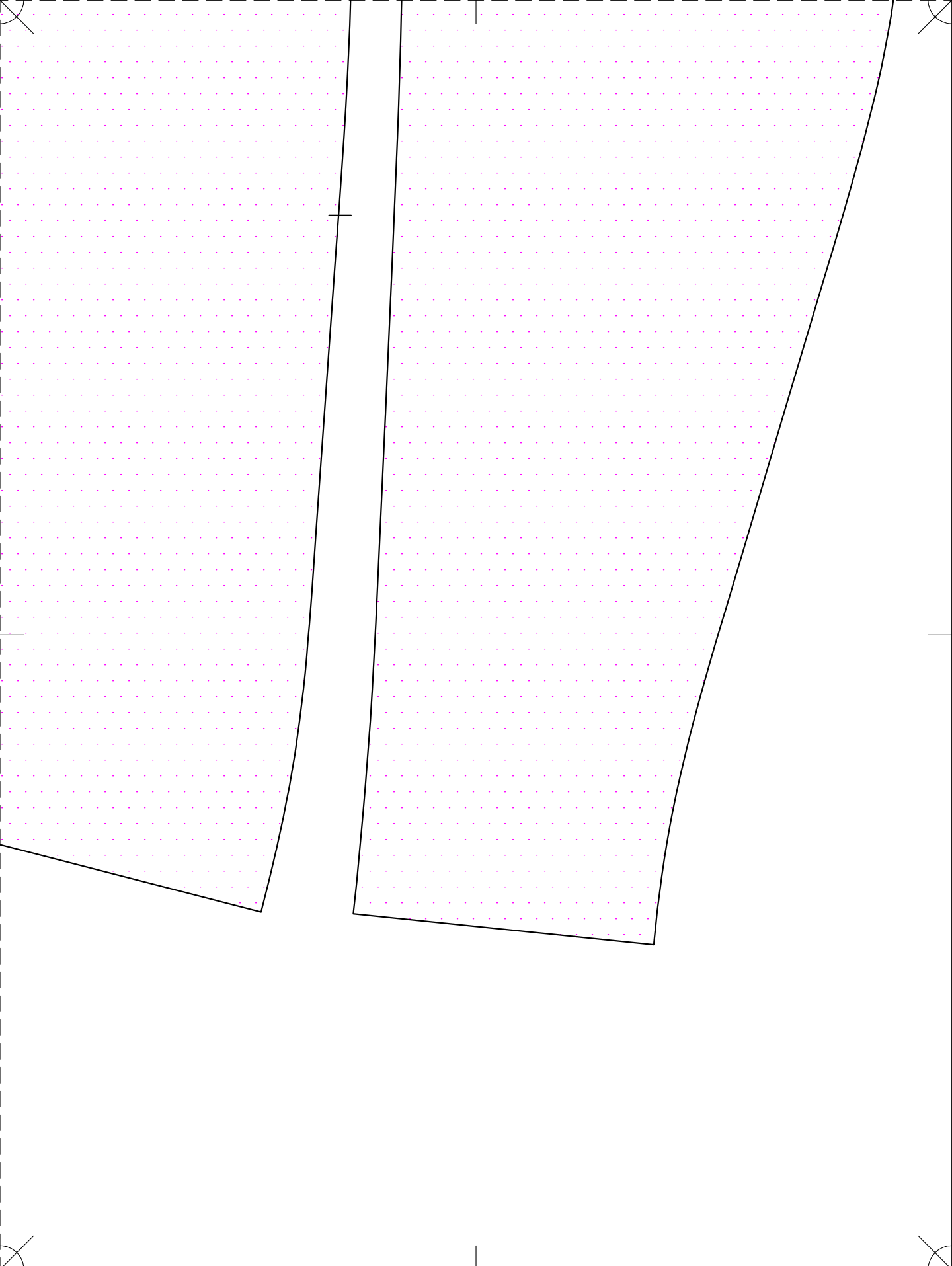
4

19 INTAKE - I4
FOAM BOARD
FT MUSTANG - v.1.0

I5

20 INTAKE - I5
FOAM BOARD
FT MUSTANG - v.1.0







3
2

FORMER - F3
FOAM BOARD
FT MUSTANG - v.1.0

F3

3
2

FORMER - F3
FOAM BOARD
FT MUSTANG - v.1.0

F3

21
1

HORIZONTAL STABILIZER

FOAM BOARD
FT MUSTANG - v.1.0

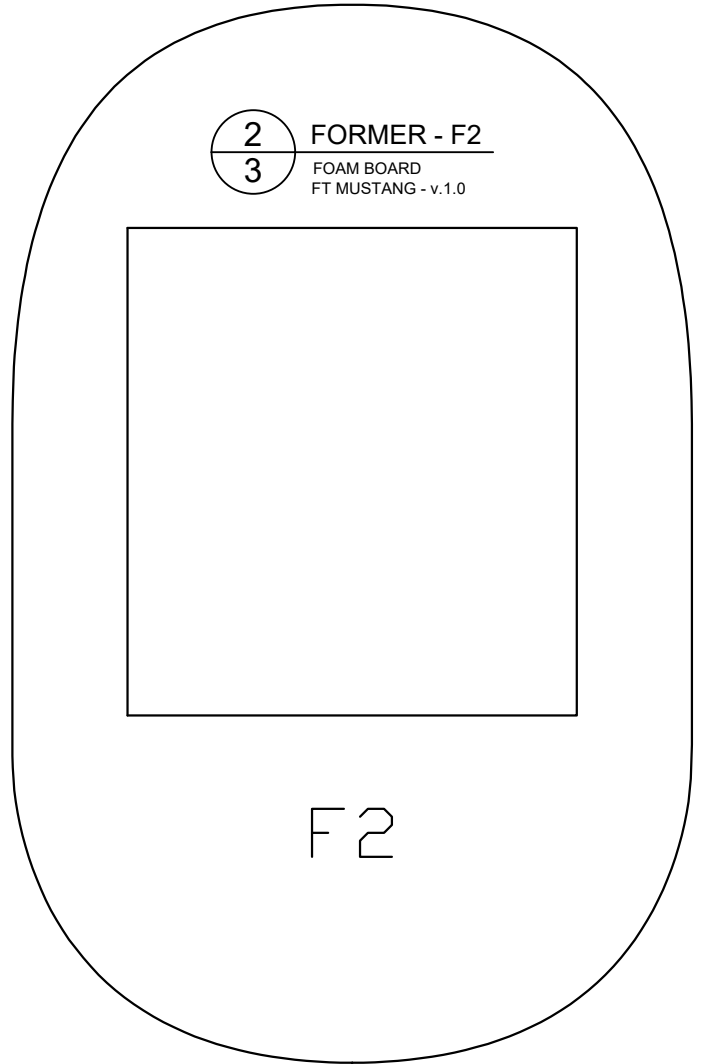
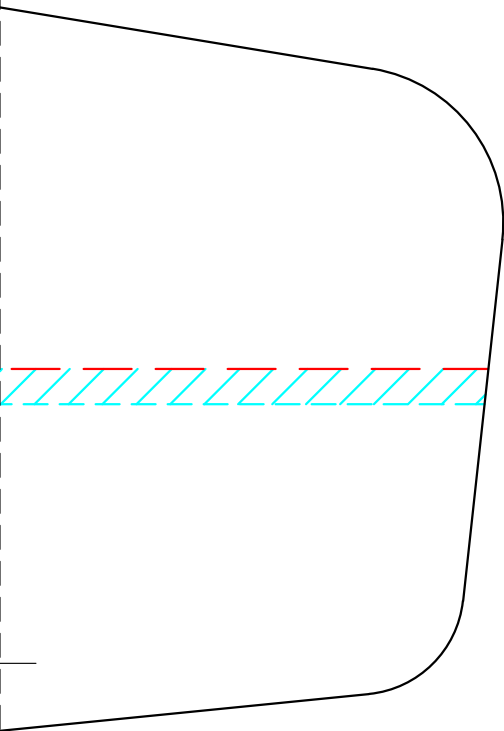
45° SINGLE BEVEL

4
1

FORMER - F4

FOAM BOARD
FT MUSTANG - v.1.0

F 4

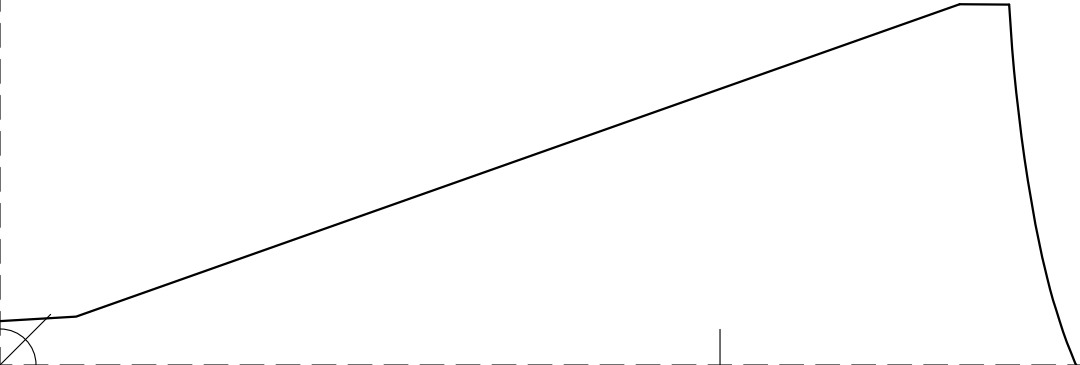


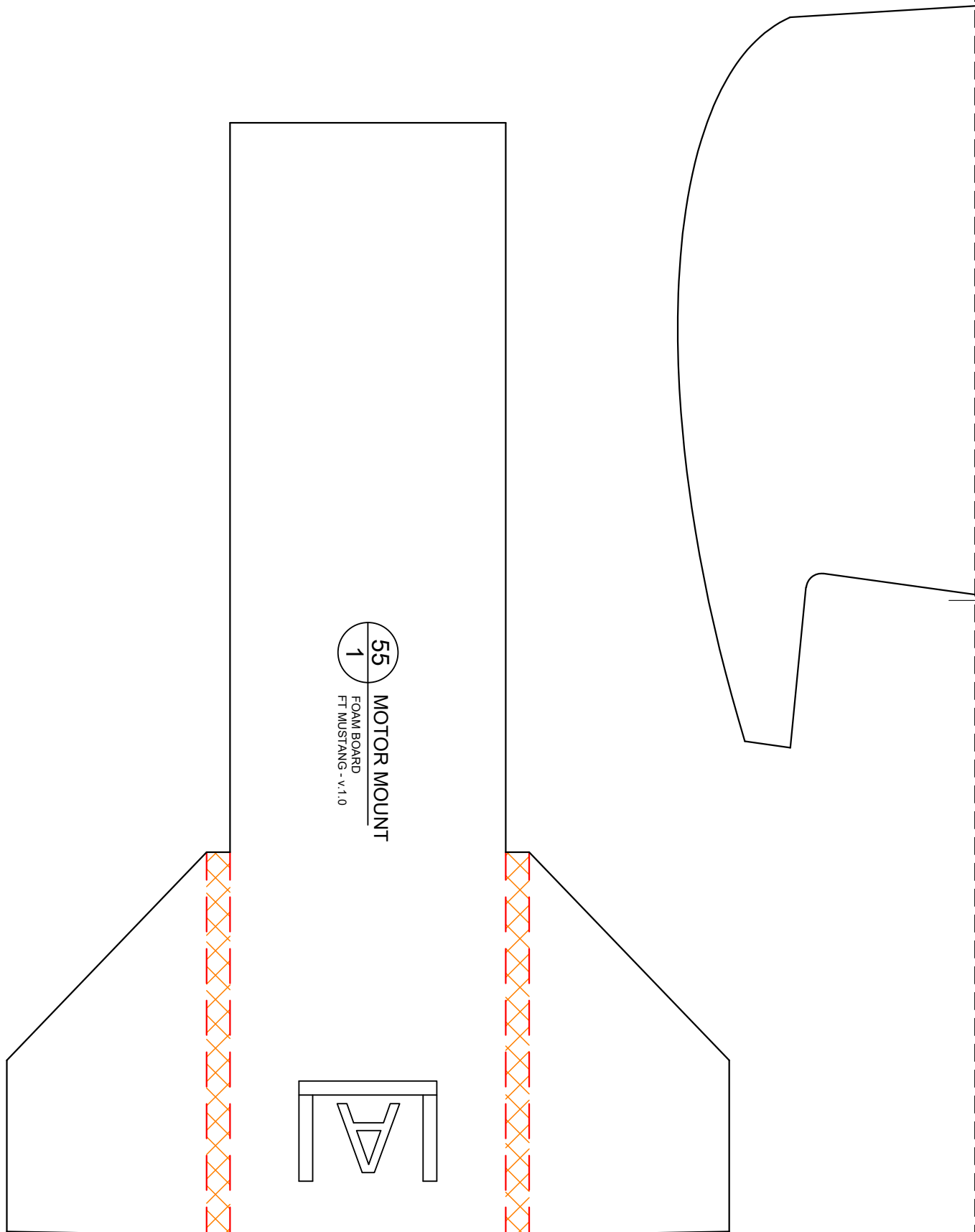
2
3

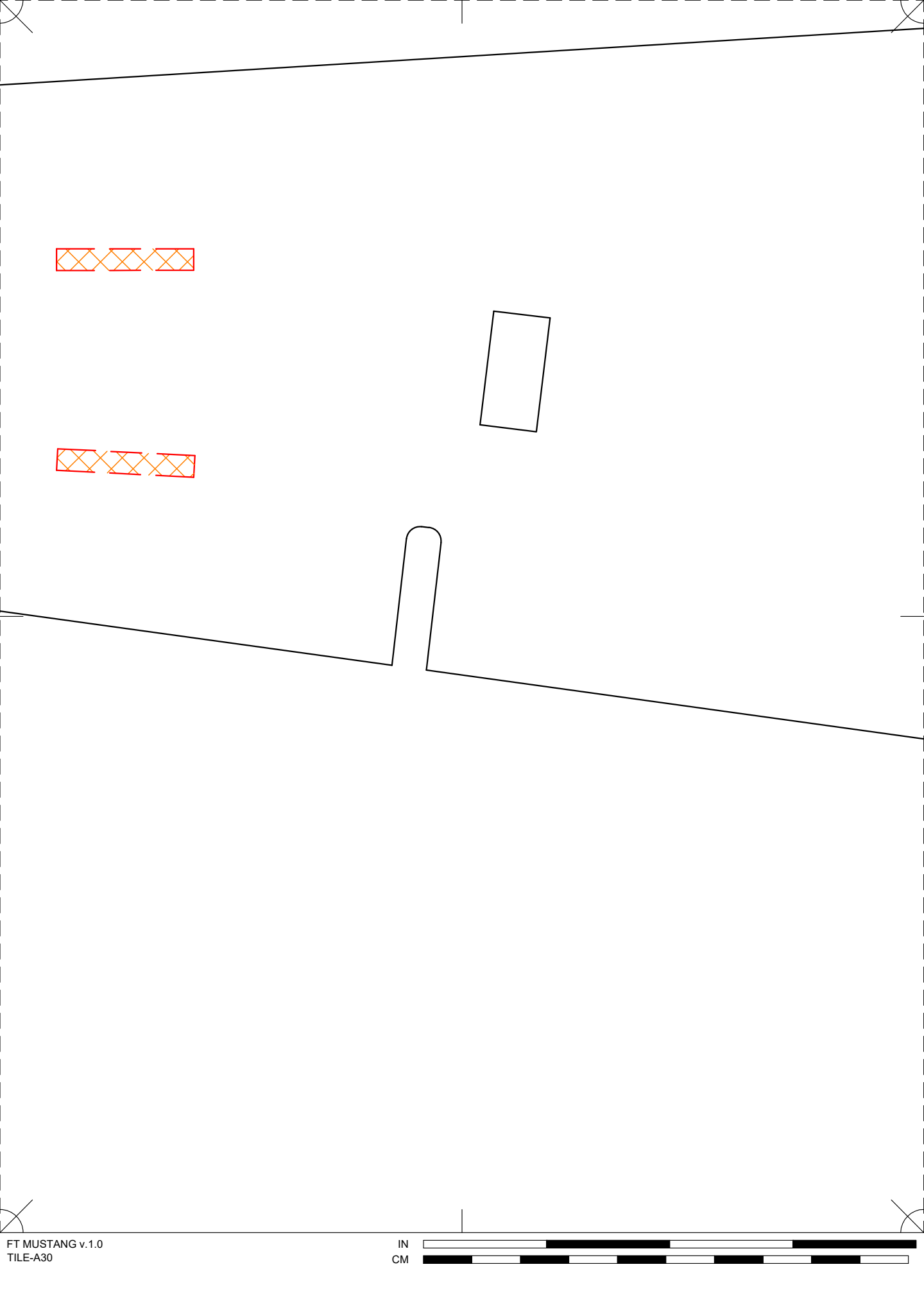
FORMER - F2

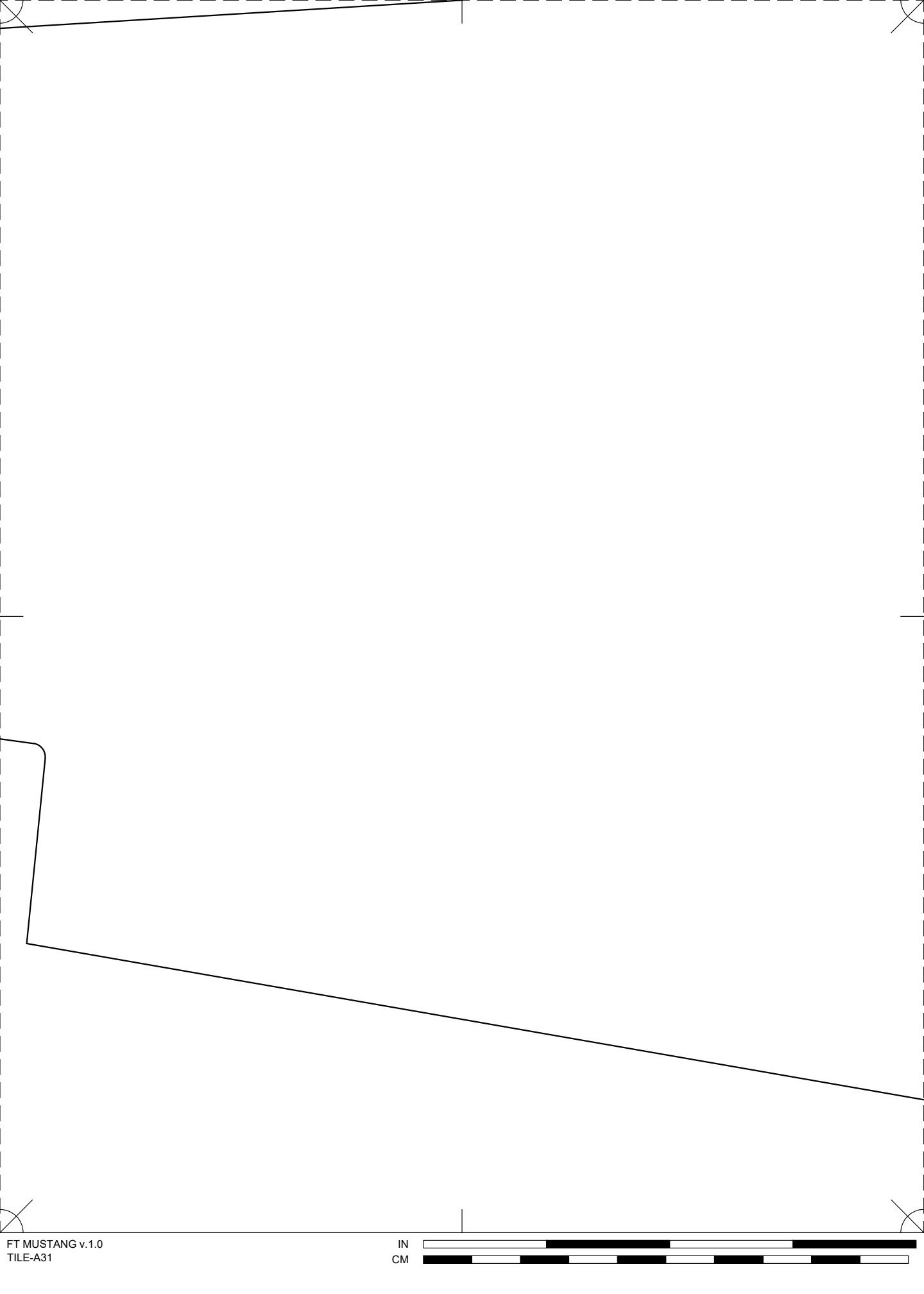
FOAM BOARD
FT MUSTANG - v.1.0

F2











LOWER WING PANEL - LEFT

FOAM BOARD
FT MUSTANG - v.1.0



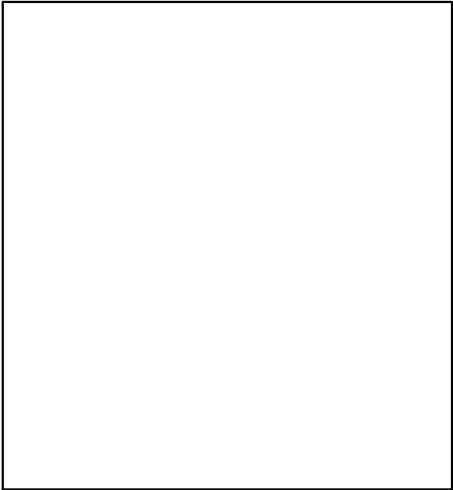
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3

FORMER - F2

FOAM BOARD

FT MUSTANG - v.1.0



F2

2

3

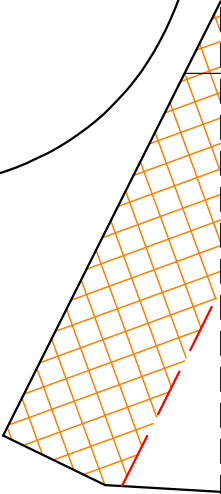
FORMER - F2

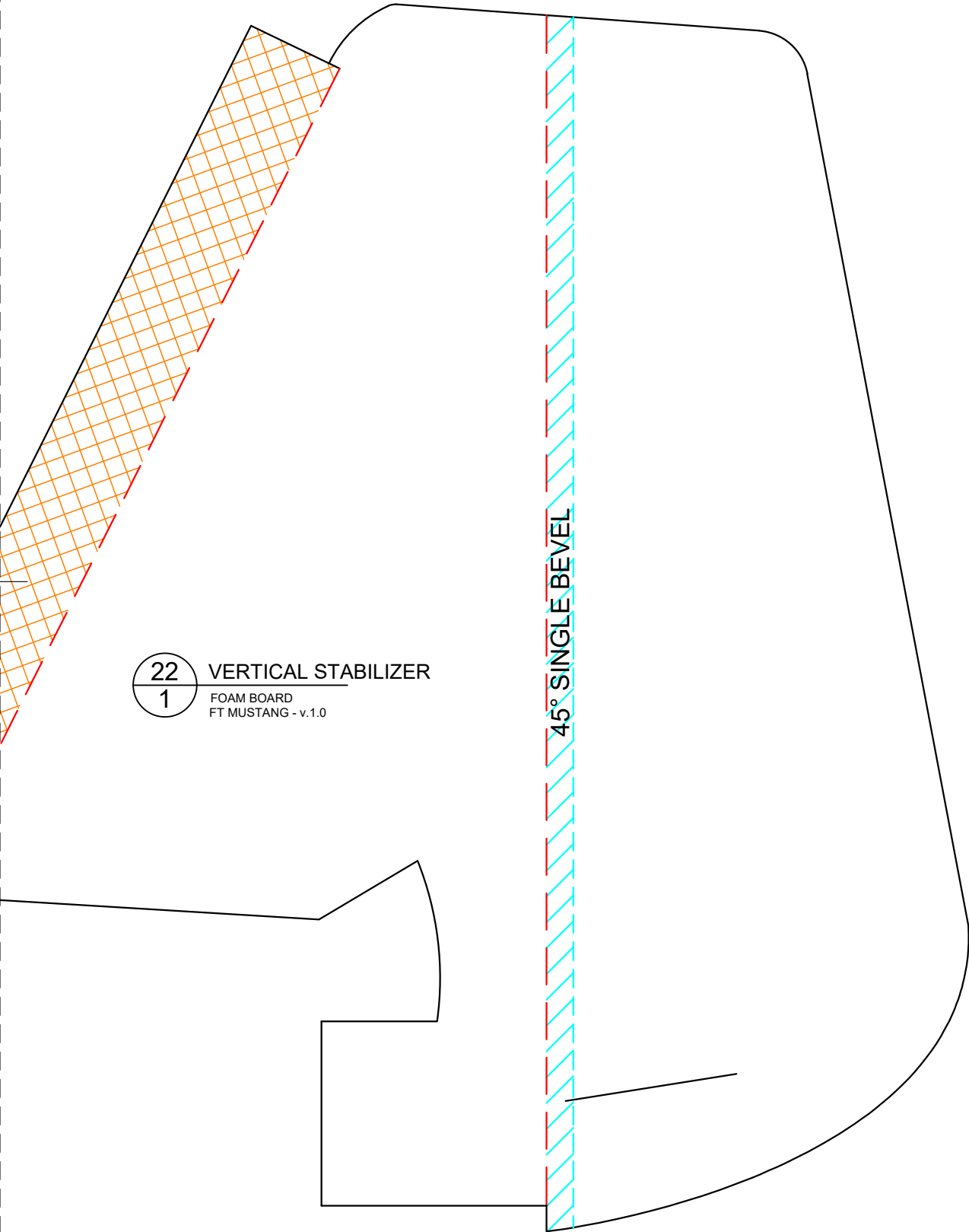
FOAM BOARD

FT MUSTANG - v.1.0



F2





56
2

INTAKE TAB - B/C
FOAM BOARD
FT MUSTANG - v.1.0

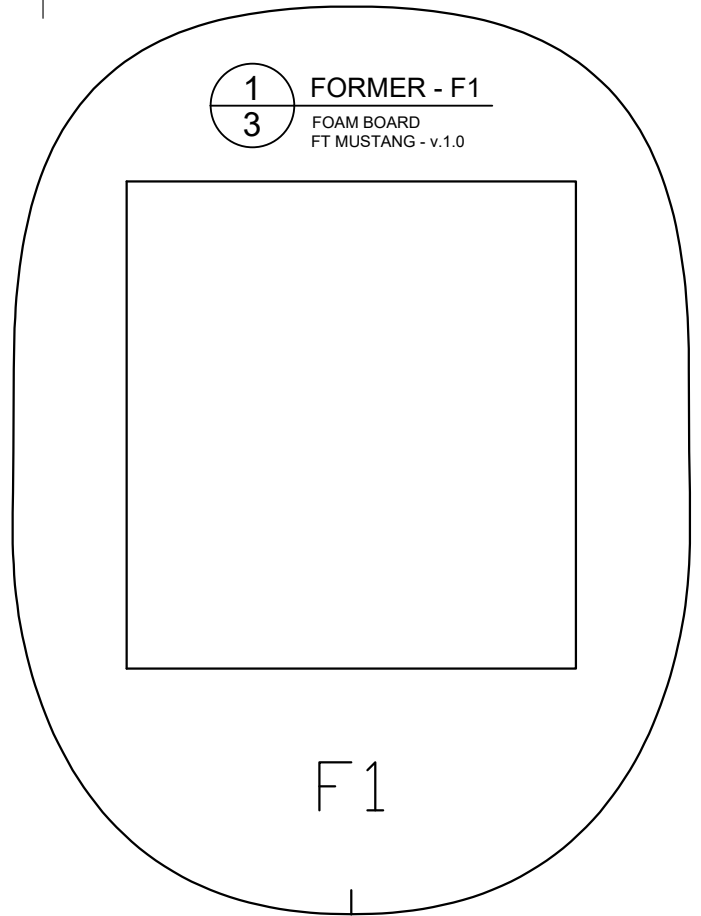
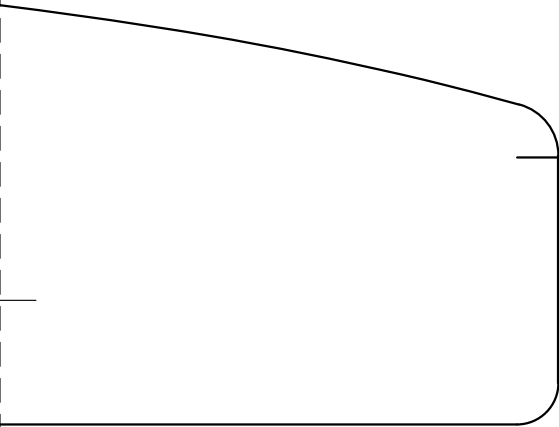
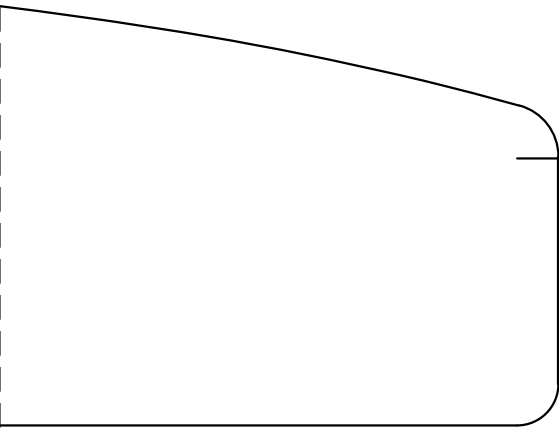
56
2

INTAKE TAB - B/C
FOAM BOARD
FT MUSTANG - v.1.0

1
3

FORMER - F1
FOAM BOARD
FT MUSTANG - v.1.0

F1

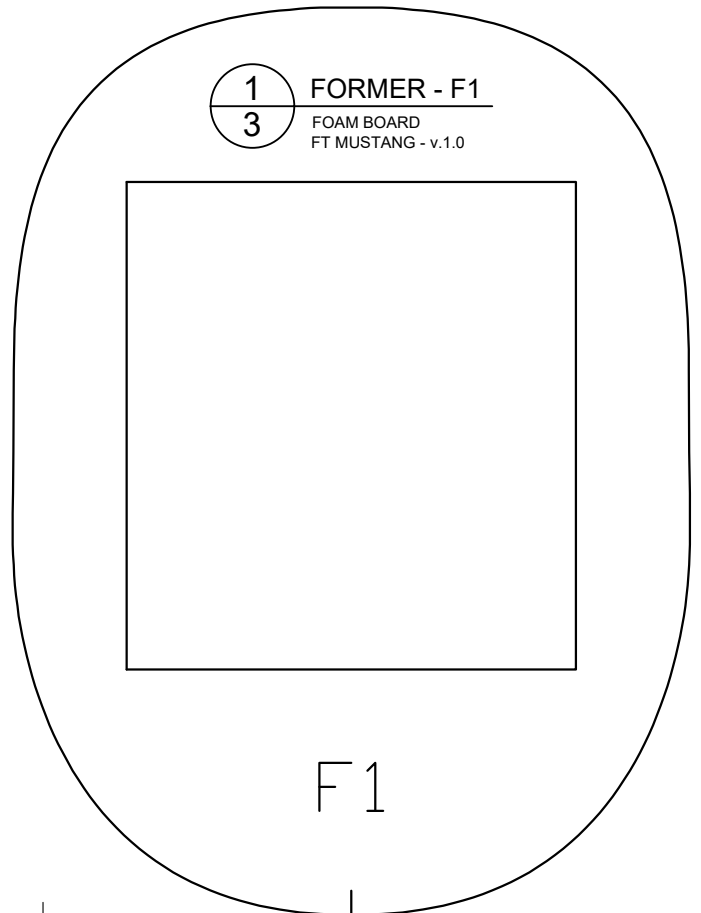


1
3

FORMER - F1

FOAM BOARD
FT MUSTANG - v.1.0

F1



1
3

FORMER - F1

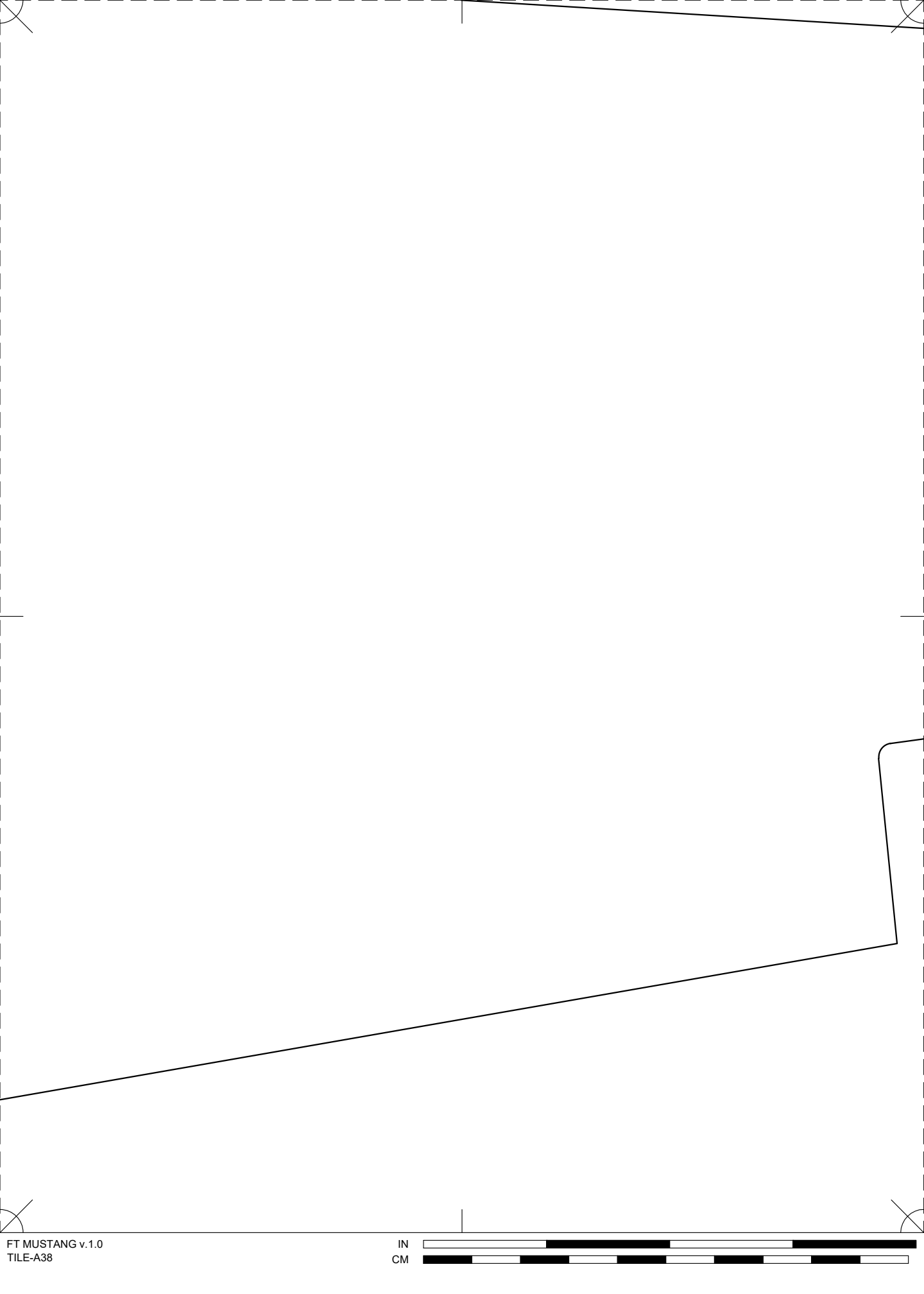
FOAM BOARD
FT MUSTANG - v.1.0

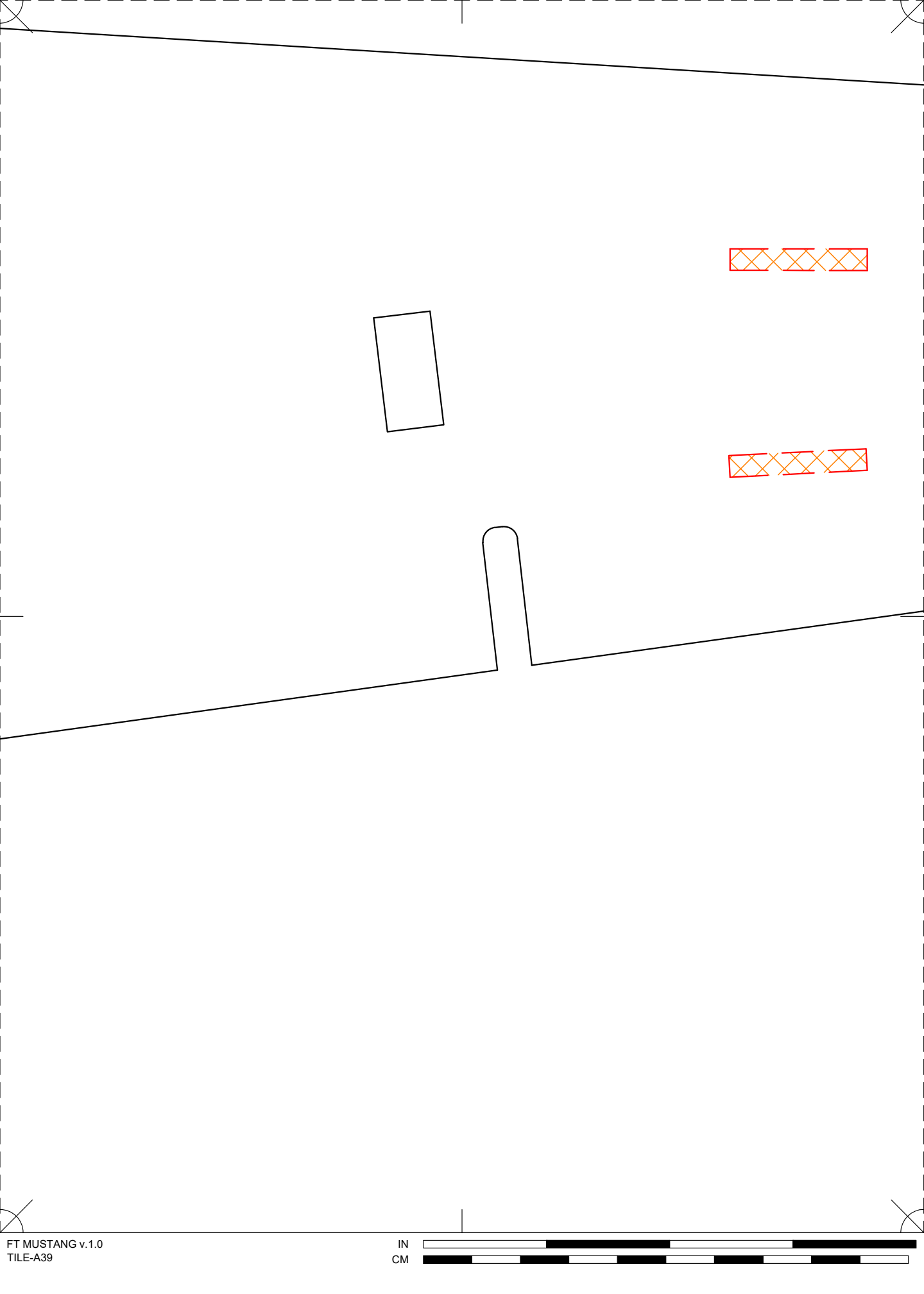
F1

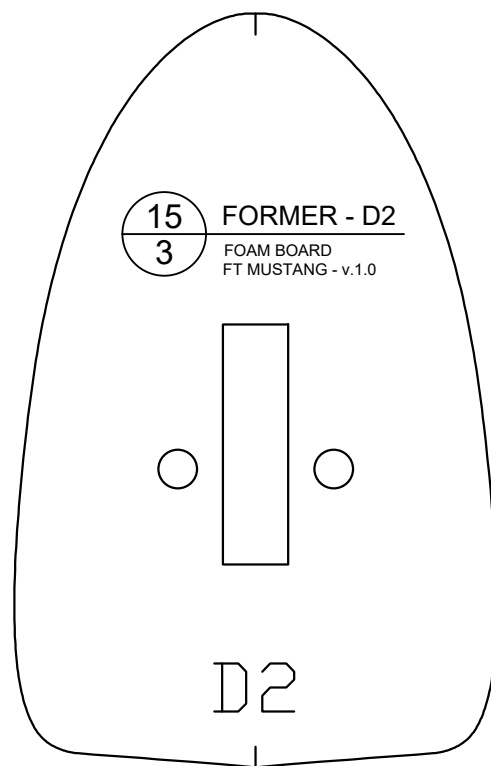
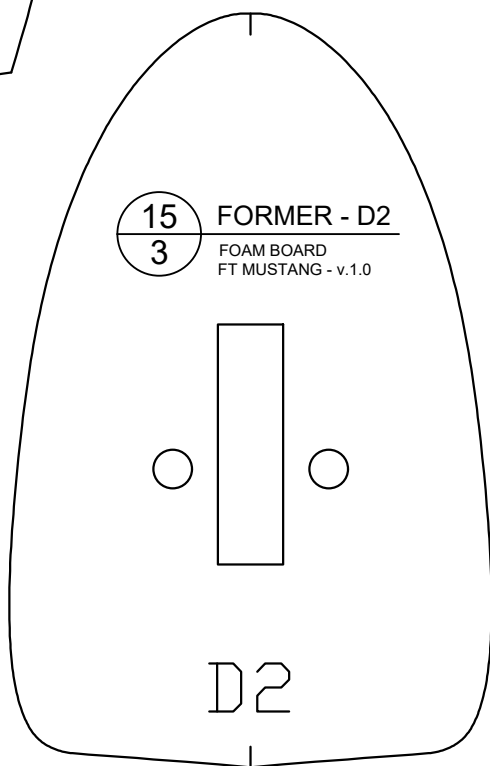
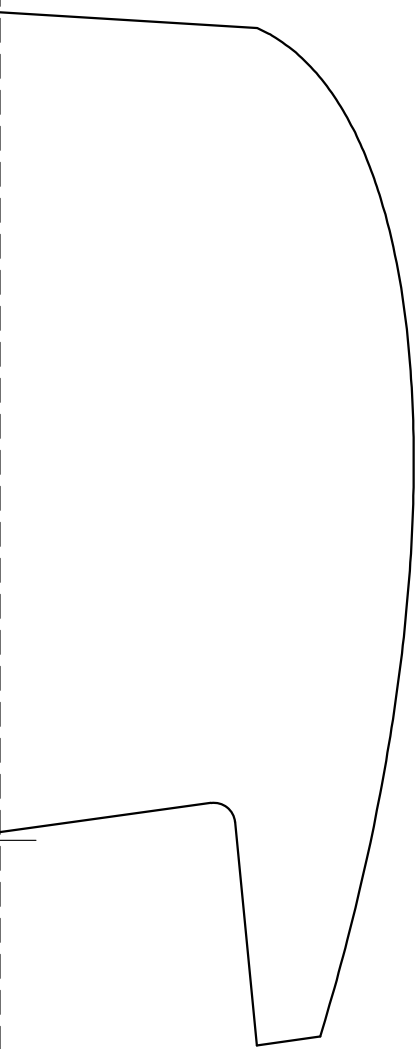


LOWER WING PANEL - RIGHT

FOAM BOARD
FT MUSTANG - v.1.0







15
3

FORMER - D2

FOAM BOARD
FT MUSTANG - v.1.0

15
3

FORMER - D2

FOAM BOARD
FT MUSTANG - v.1.0

D2

D2

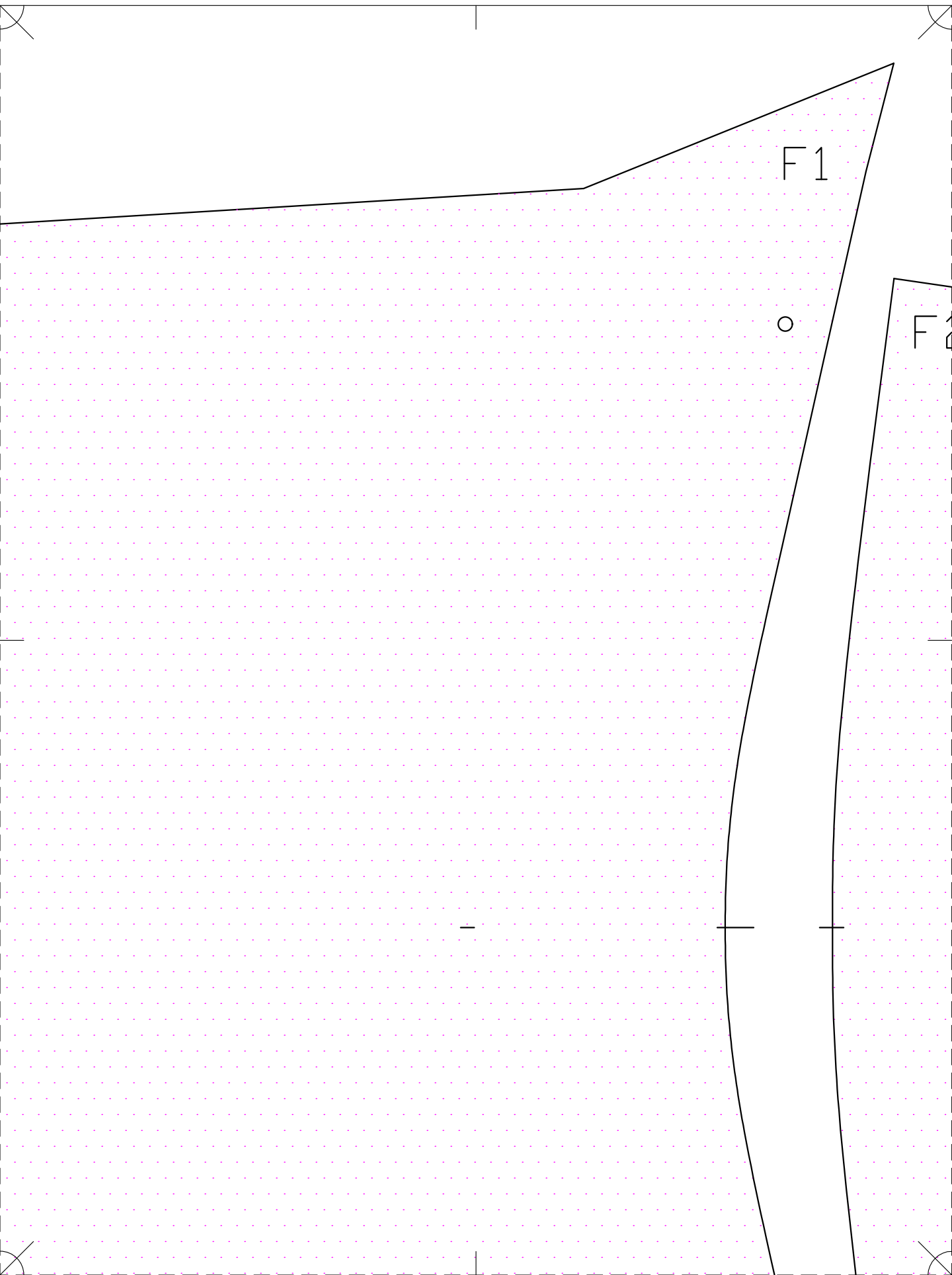


11

1

FUSELAGE - F1

FOAM BOARD
FT MUSTANG - v.1.0





F 3

12
1 FUSELAGE - F2
FOAM BOARD
FT MUSTANG - v.1.0

13 FUSELAGE
1
FOAM BOARD
FT MUSTANG - v.1.0

29
1

TAIL FAIRING D
FOAM BOARD
FT MUSTANG - v.1.0

F3



14
3

FORMER - D1

FOAM BOARD
FT MUSTANG - v.1.0



D1

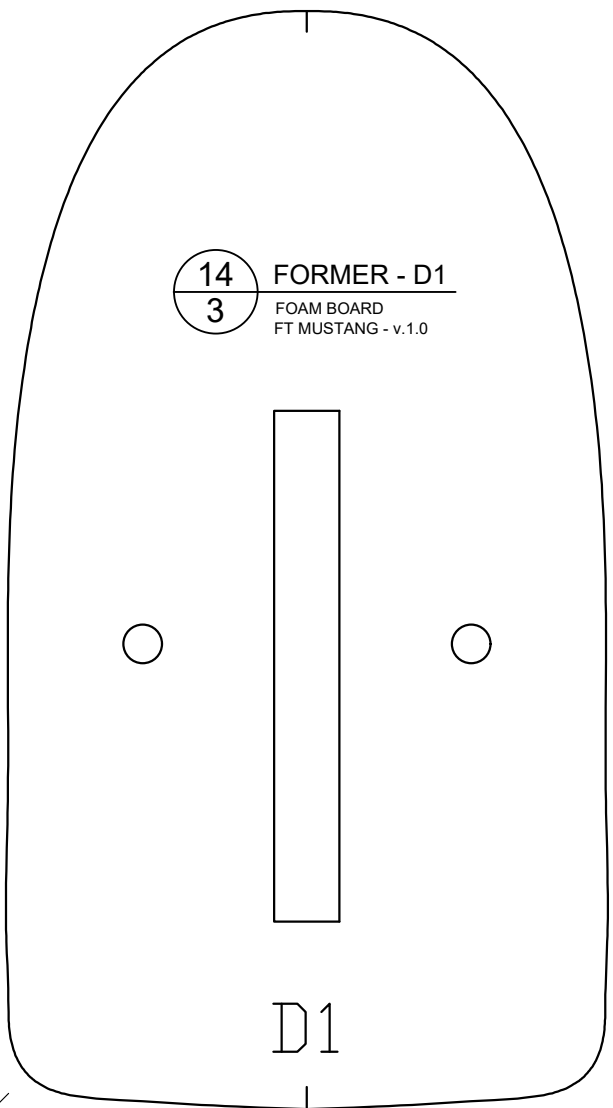
14
3

FORMER - D1

FOAM BOARD
FT MUSTANG - v.1.0



D1

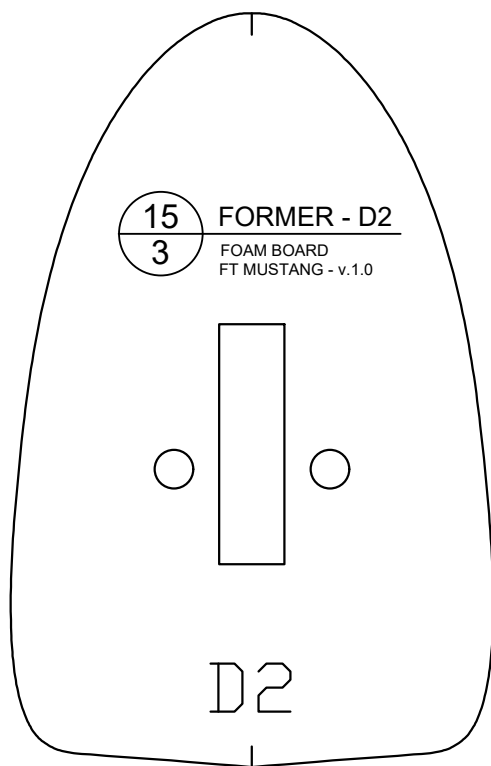


14
3

FORMER - D1

FOAM BOARD
FT MUSTANG - v.1.0

D1

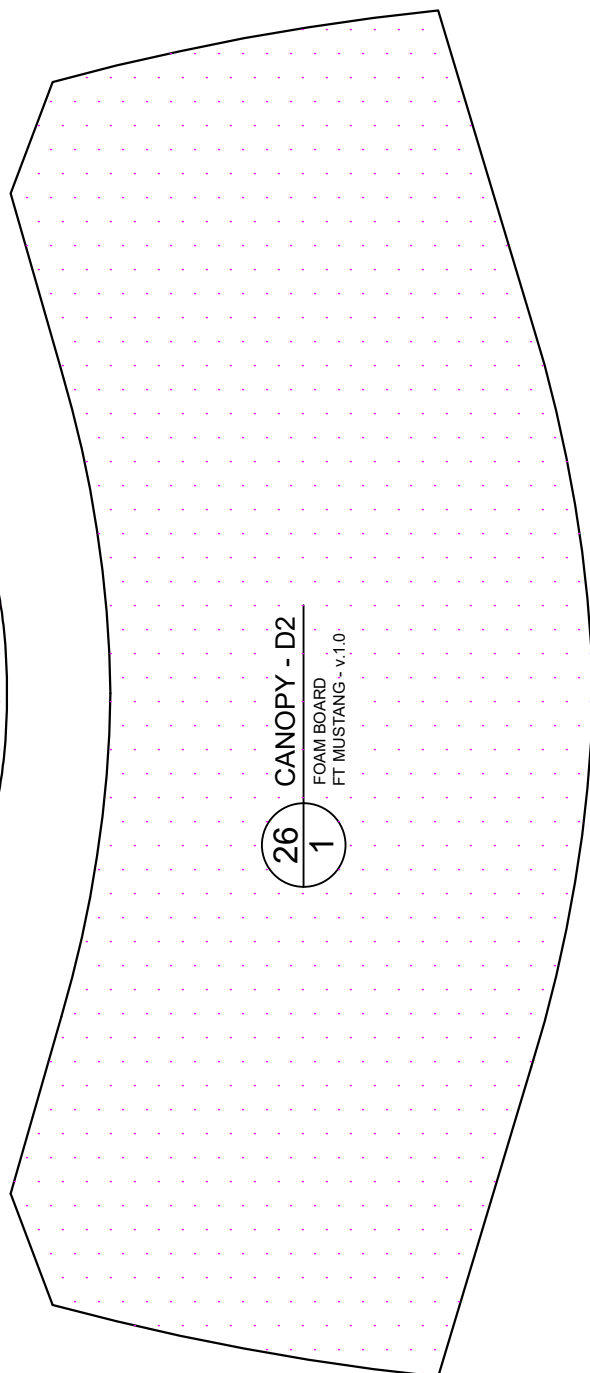
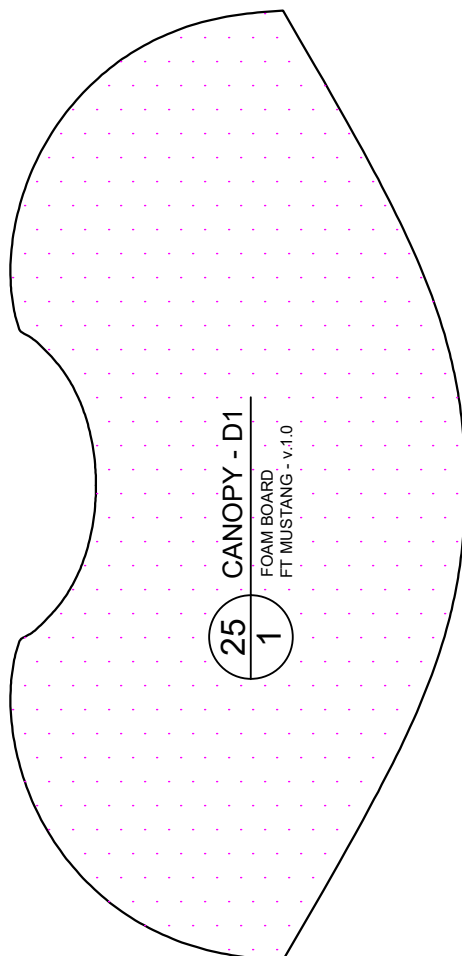


15
3

FORMER - D2

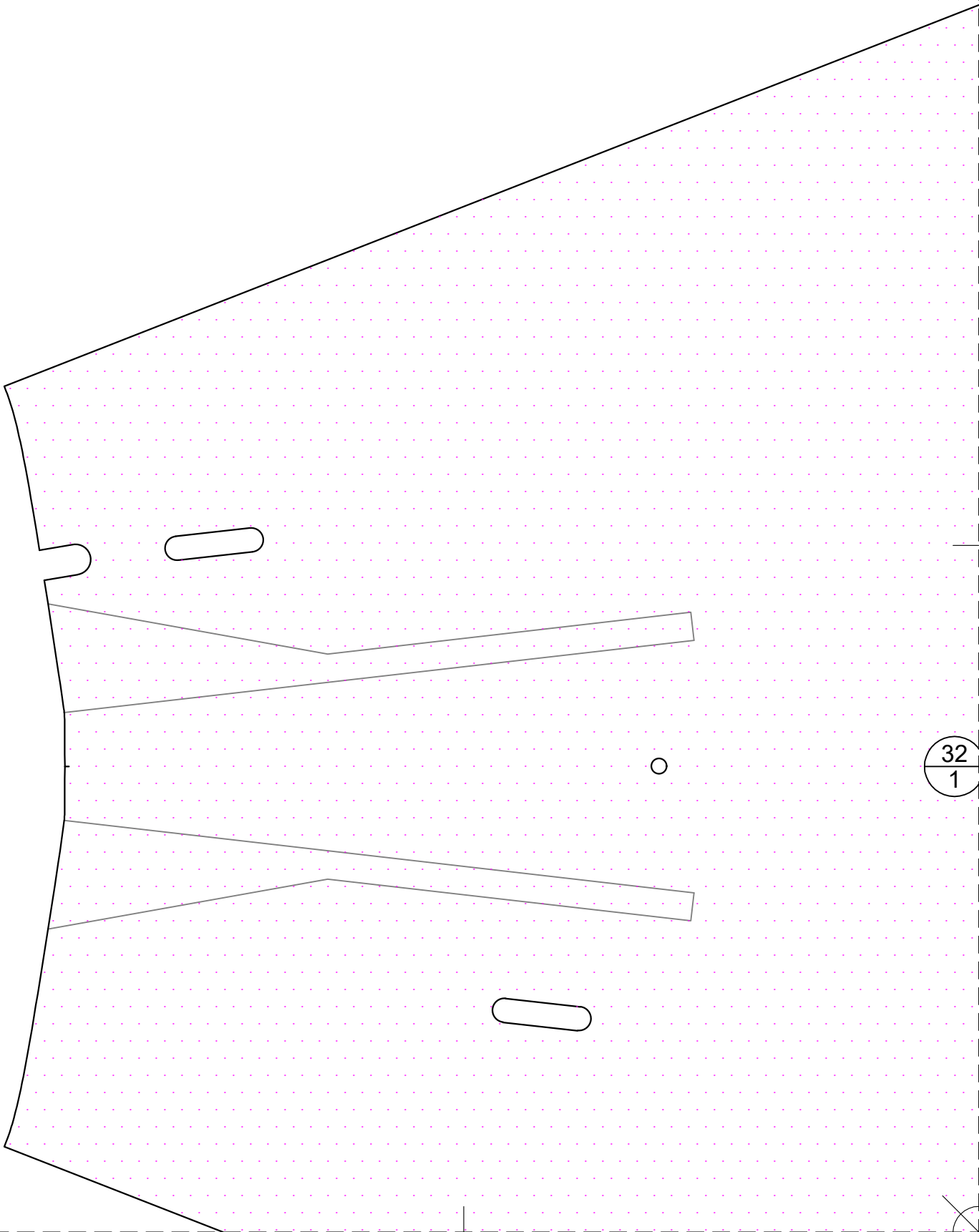
FOAM BOARD
FT MUSTANG - v.1.0

D2



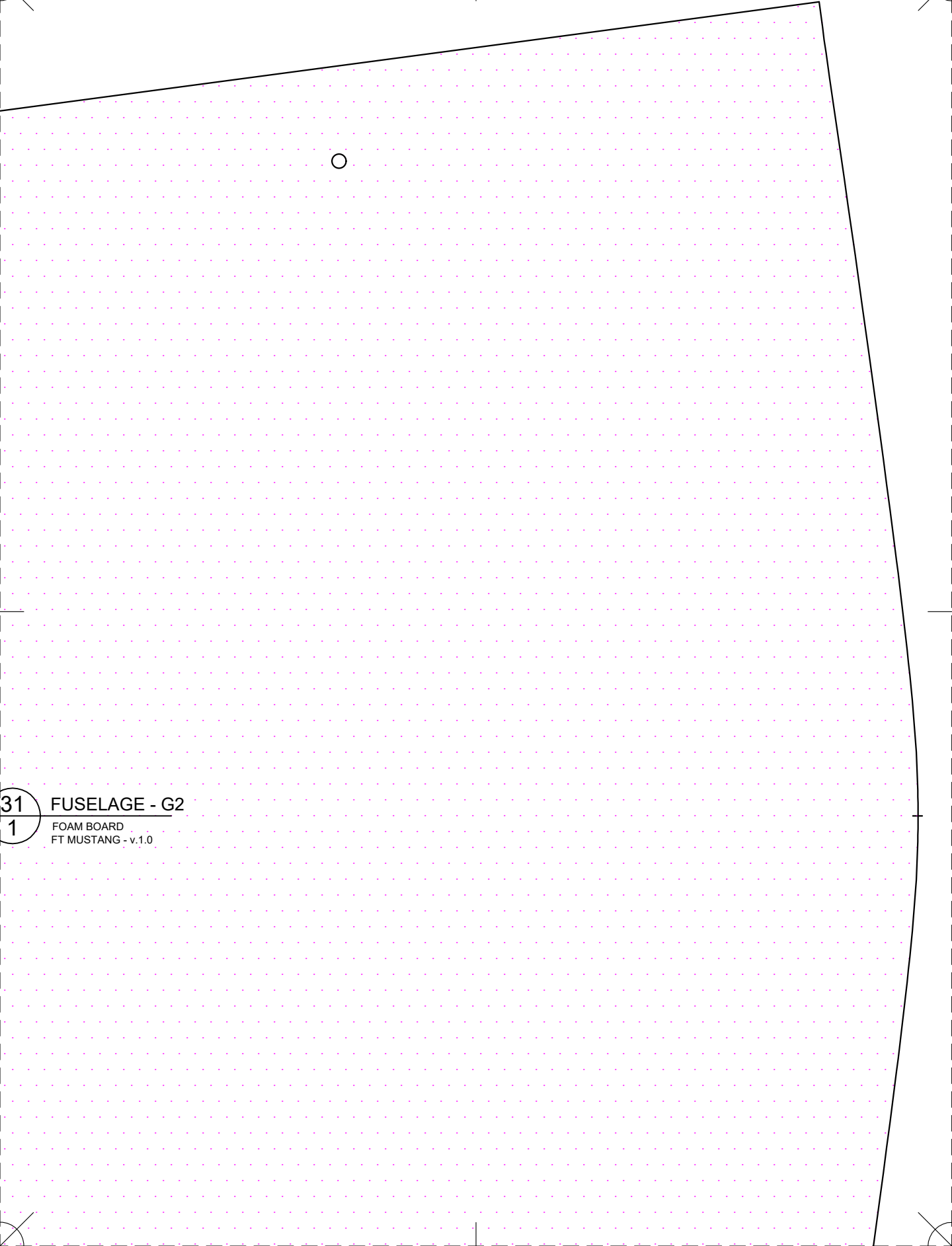
27 CANOPY - D3
FOAM BOARD
FT MUSTANG - v1.0

28 CANOPY - D4
FOAM BOARD
FT MUSTANG - v1.0



FUSELAGE - G3

FOAM BOARD
FT MUSTANG - v.1.0



31 FUSELAGE - G2
1 FOAM BOARD
FT MUSTANG - v.1.0

G1



30
1

FUSELAGE - G1

FOAM BOARD

FT MUSTANG - v.1.0

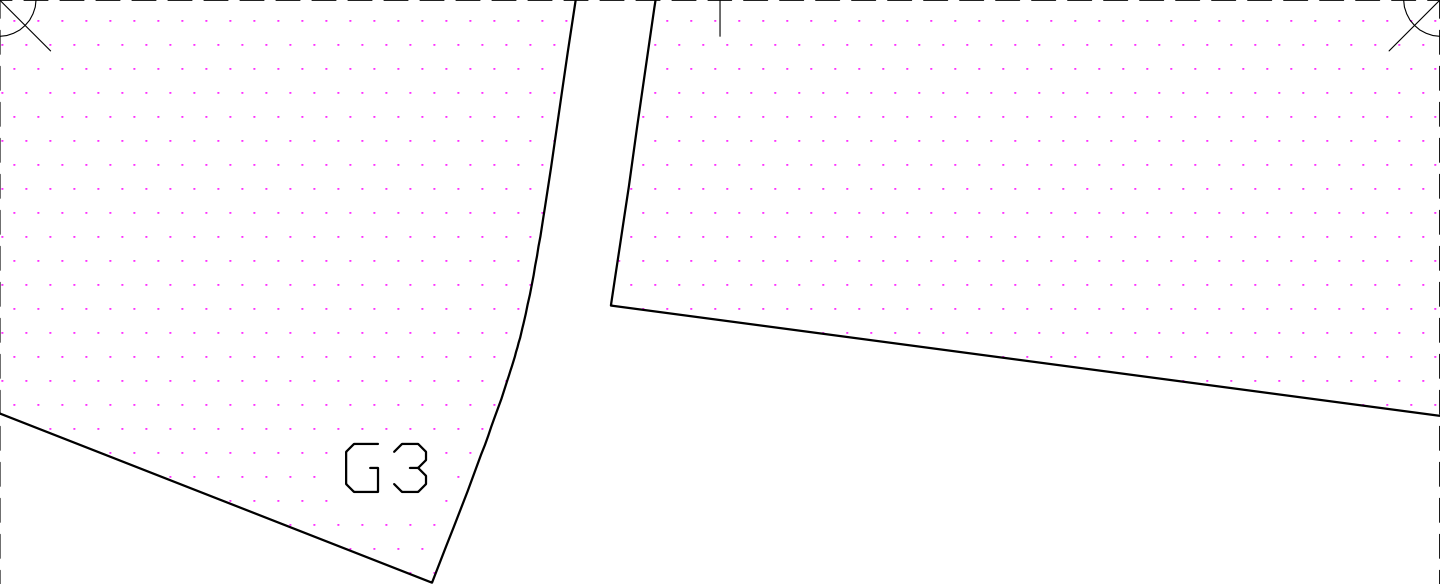
37 CANOPY - B/C1
1
FOAM BOARD
FT MUSTANG - v.1.0

38 CANOPY B/C-2
1
FOAM BOARD
FT MUSTANG - v.1.0

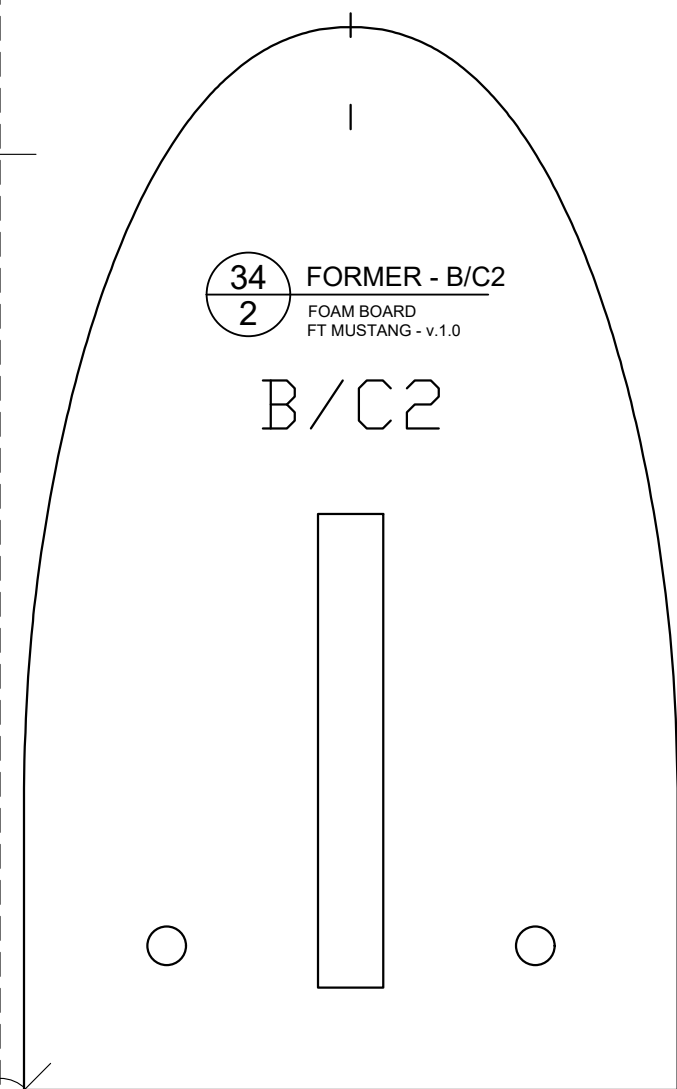
39 CANOPY - B/C3
1
FOAM BOARD
FT MUSTANG - v.1.0

36 TAIL FAIRING B/C
1
FOAM BOARD
FT MUSTANG - v.1.0





G3

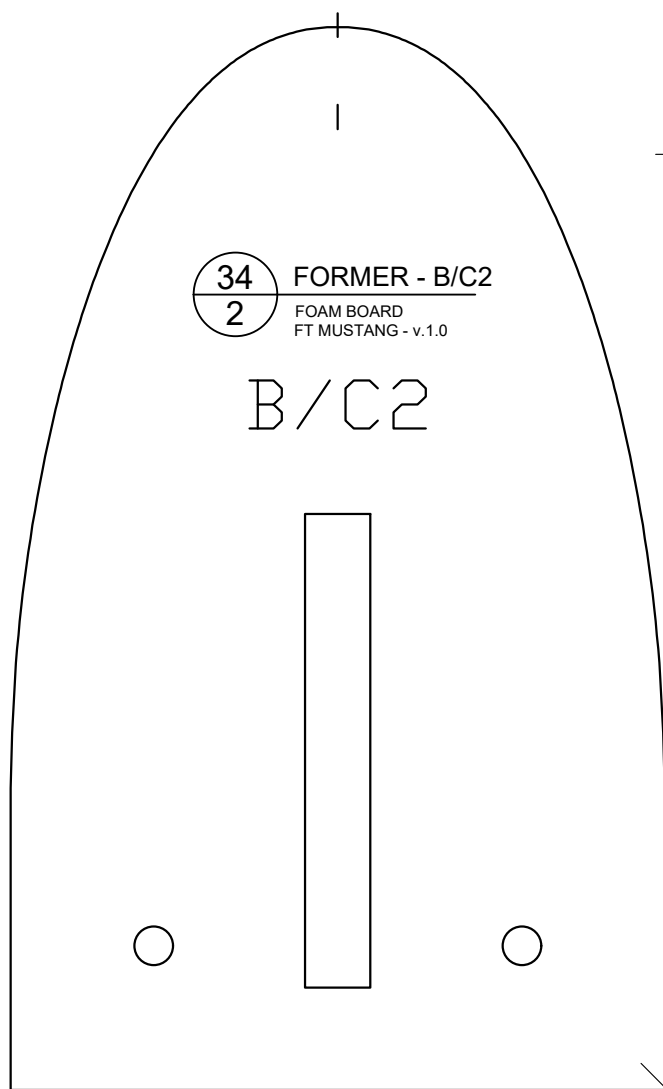


34
2

FORMER - B/C2

FOAM BOARD
FT MUSTANG - v.1.0

B/C2

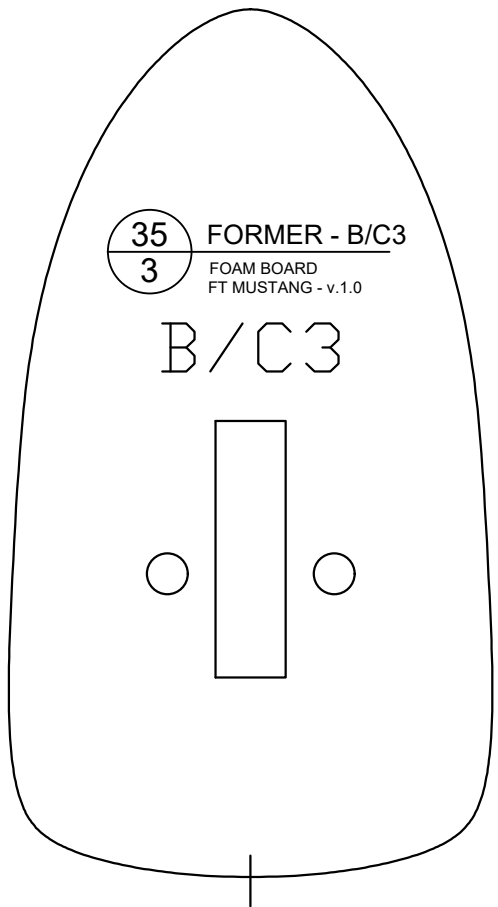
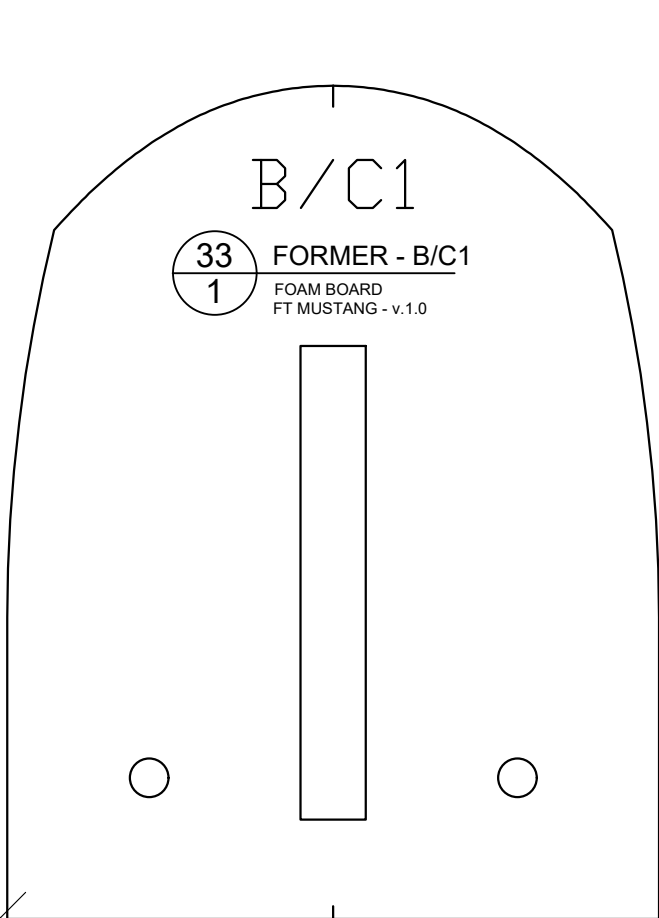
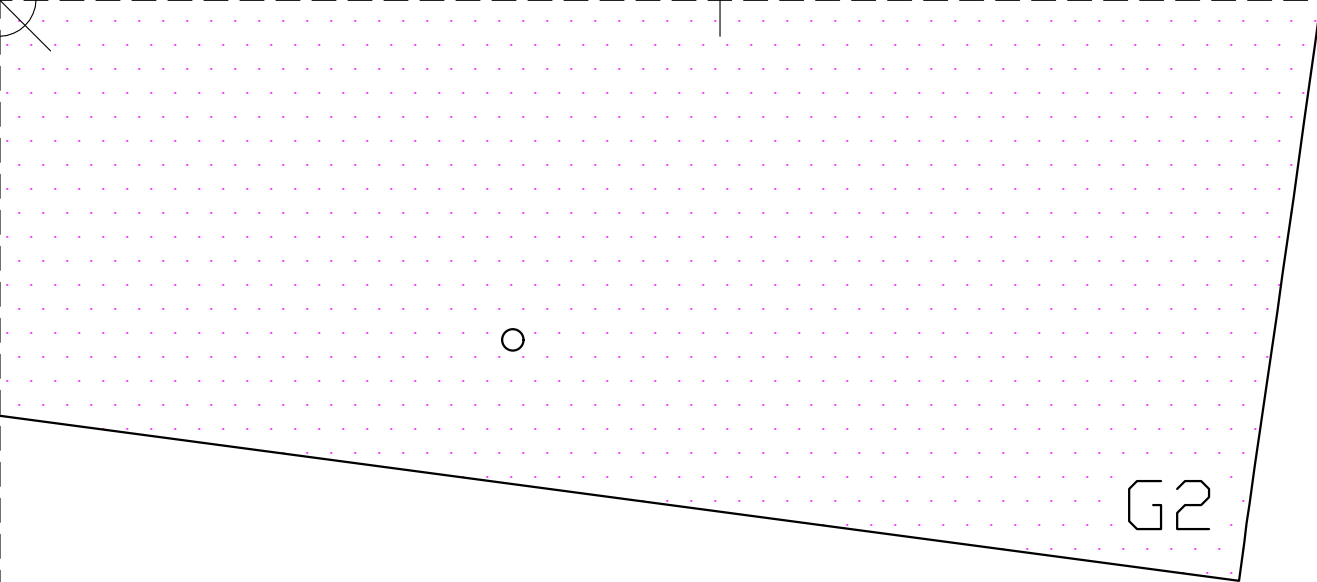


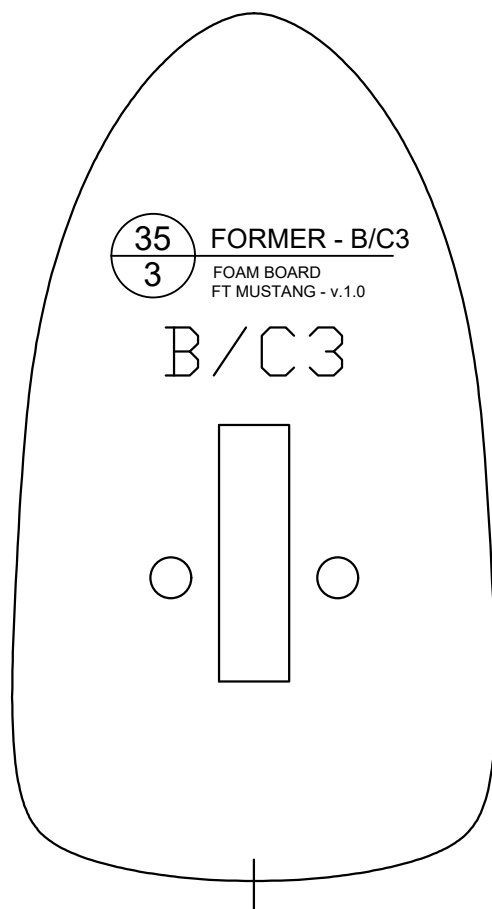
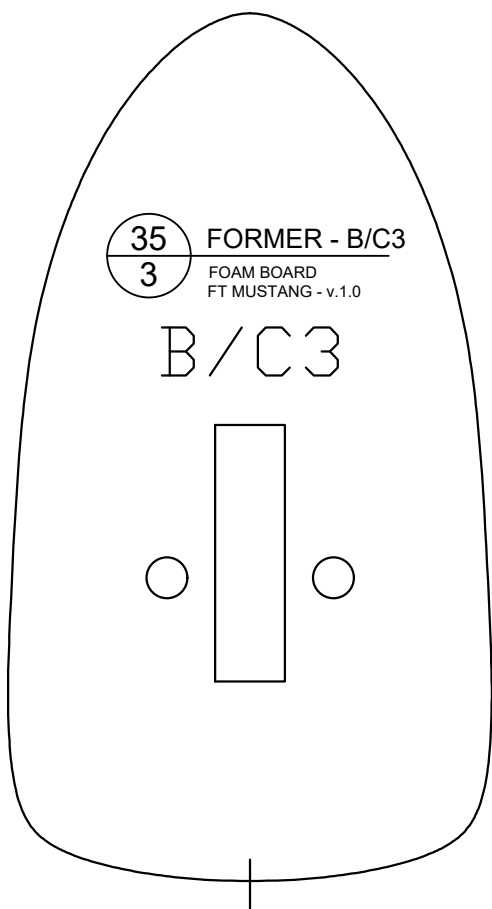
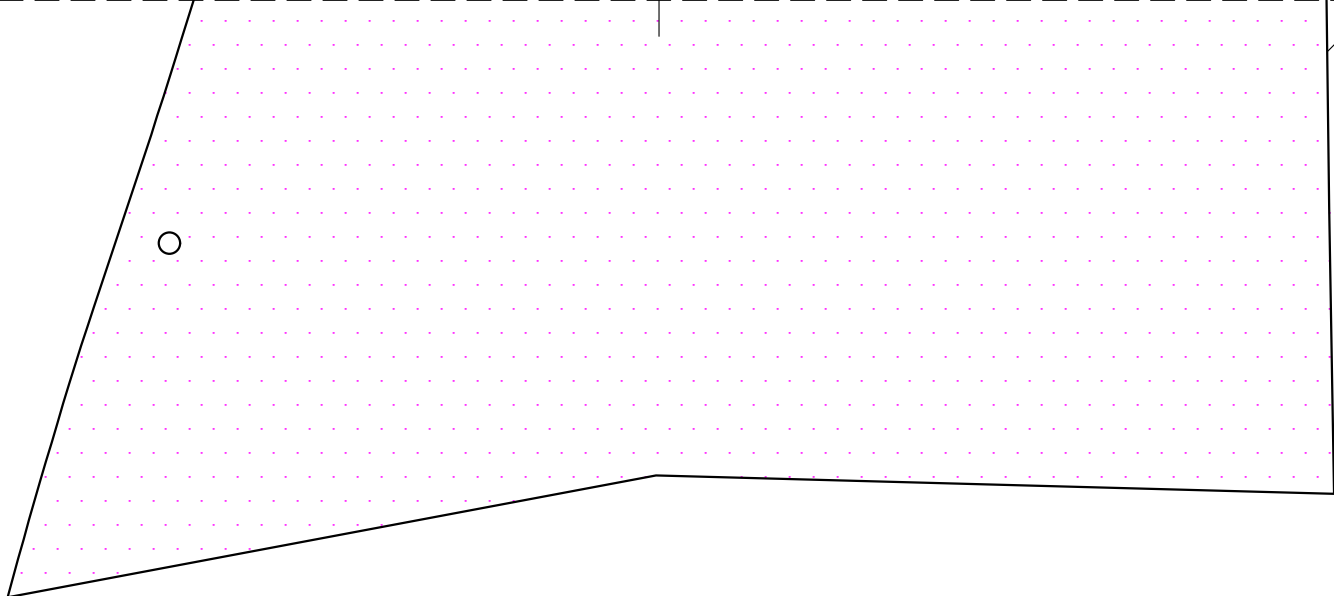
34
2

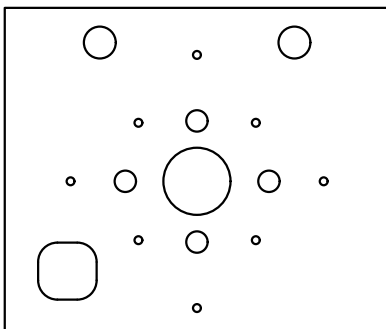
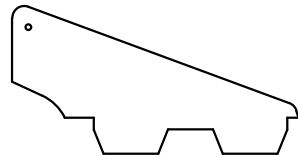
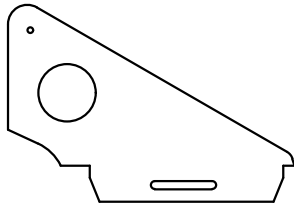
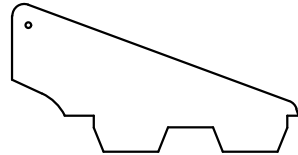
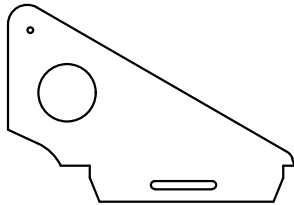
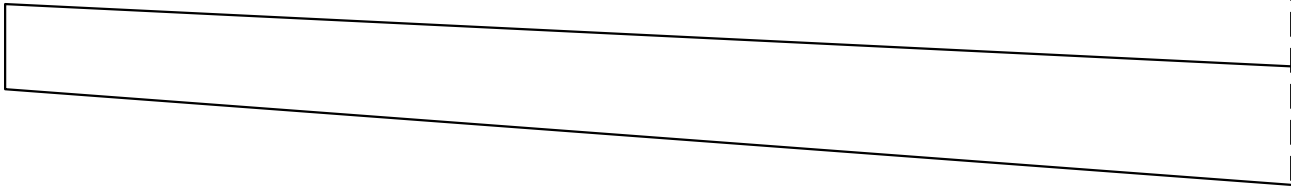
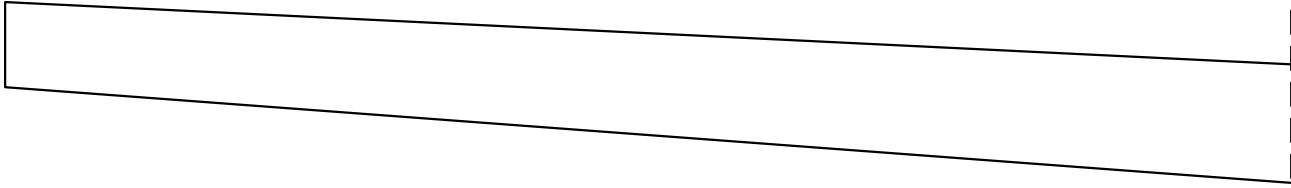
FORMER - B/C2

FOAM BOARD
FT MUSTANG - v.1.0

B/C2









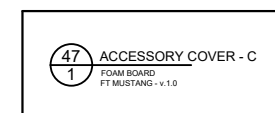
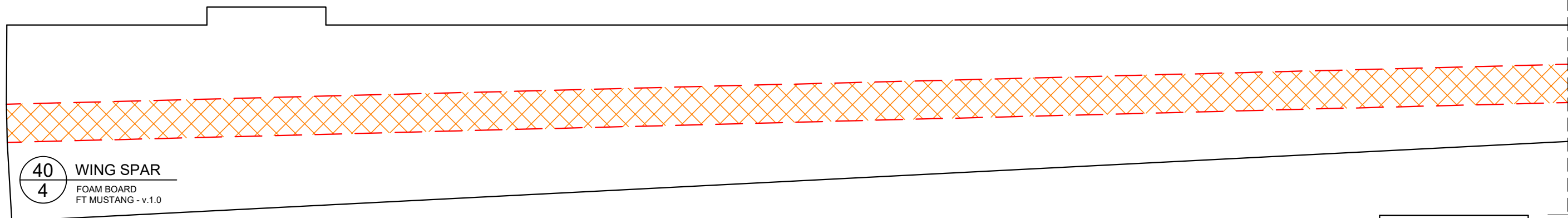
ALL PLYWOOD 3/32 THICK

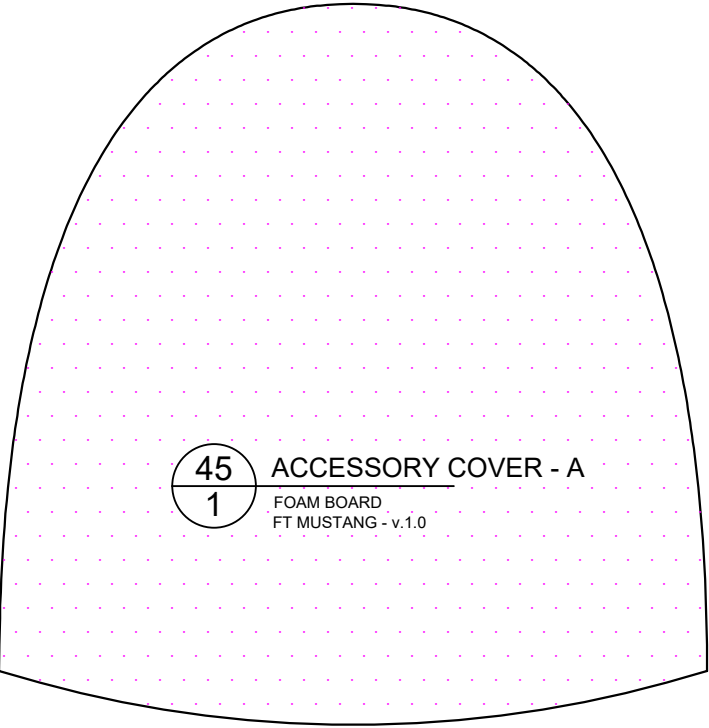
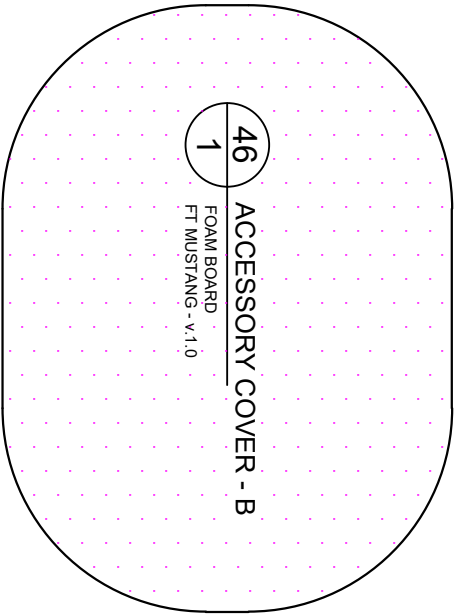
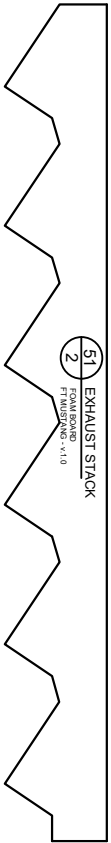
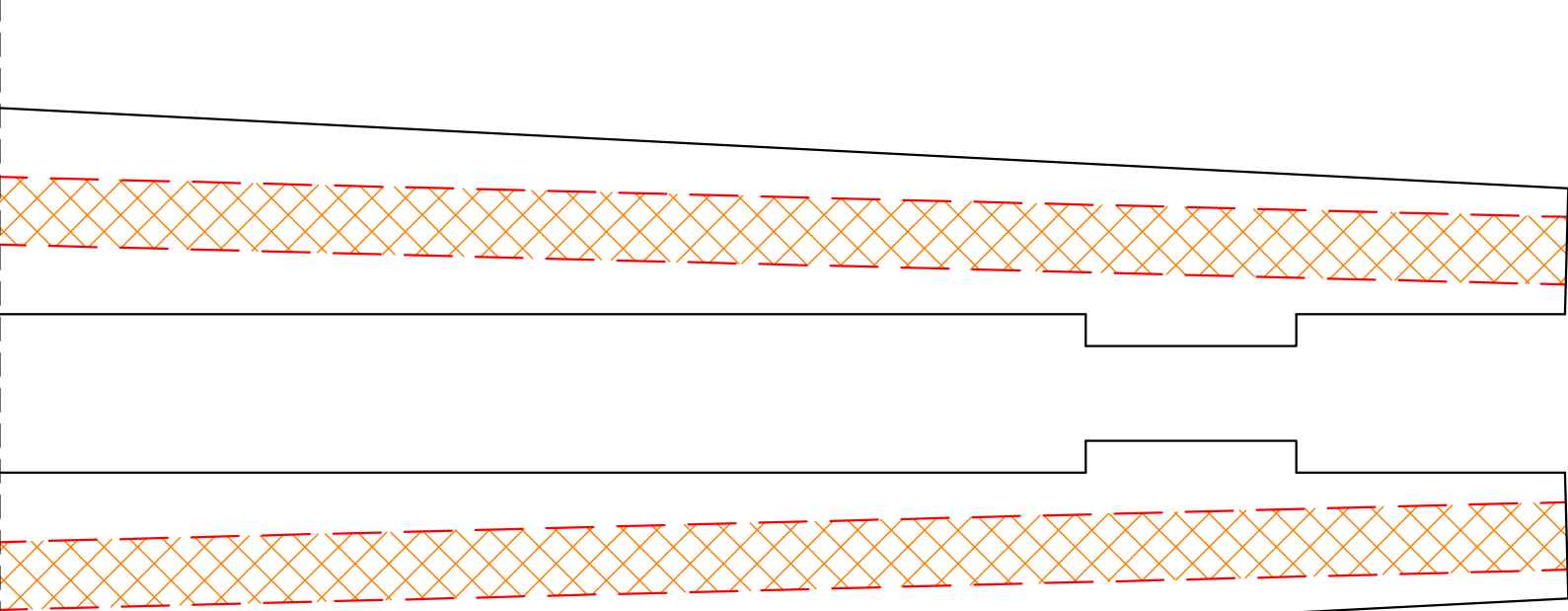
P-51

P-51









$$\frac{6}{4}$$

FORMER SUPPORTS (F3)

FOAM BOARD
FT MUSTANG - v.1.0

$$\frac{6}{4}$$

FORMER SUPPORTS (F3)

FOAM BOARD
FT MUSTANG - v.1.0

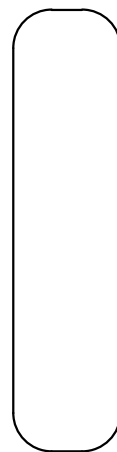
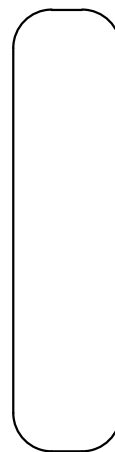
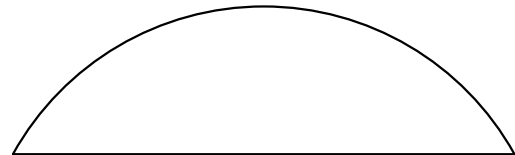
$$\frac{6}{4}$$

FORMER SUPPORTS (F3)

FOAM BOARD
FT MUSTANG - v.1.0

$$\frac{6}{4}$$

FORMER SUPPORTS (F3)

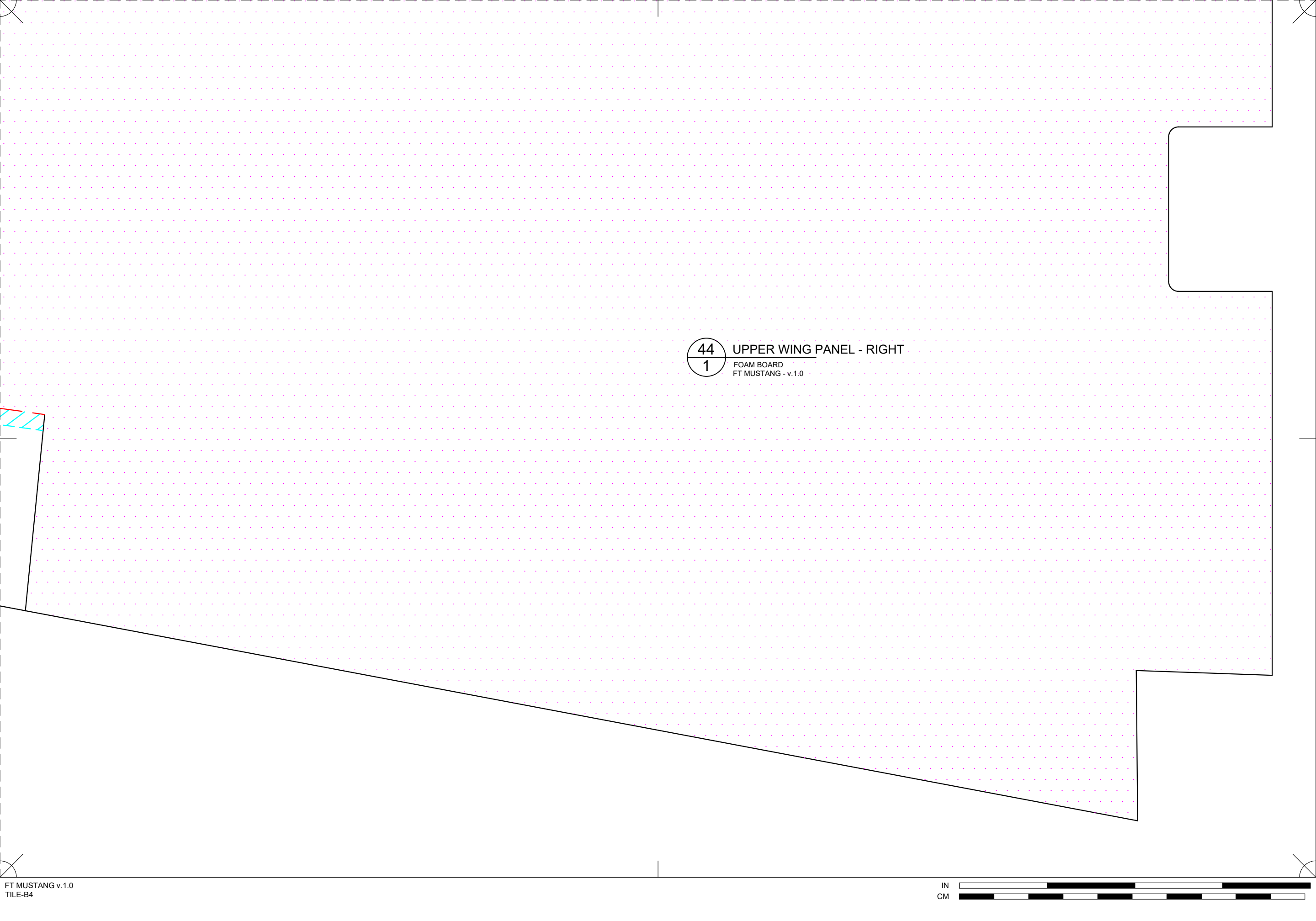
FOAM BOARD
FT MUSTANG - v.1.0

45° SINGLE BEVEL

$$\frac{52}{1}$$

WING FAIRING - LEFT

FOAM BOARD
FT MUSTANG - v.1.0



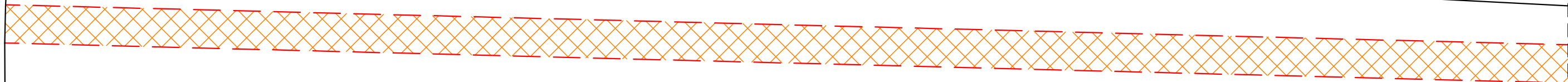
44
1

UPPER WING PANEL - RIGHT

FOAM BOARD
FT MUSTANG - v.1.0

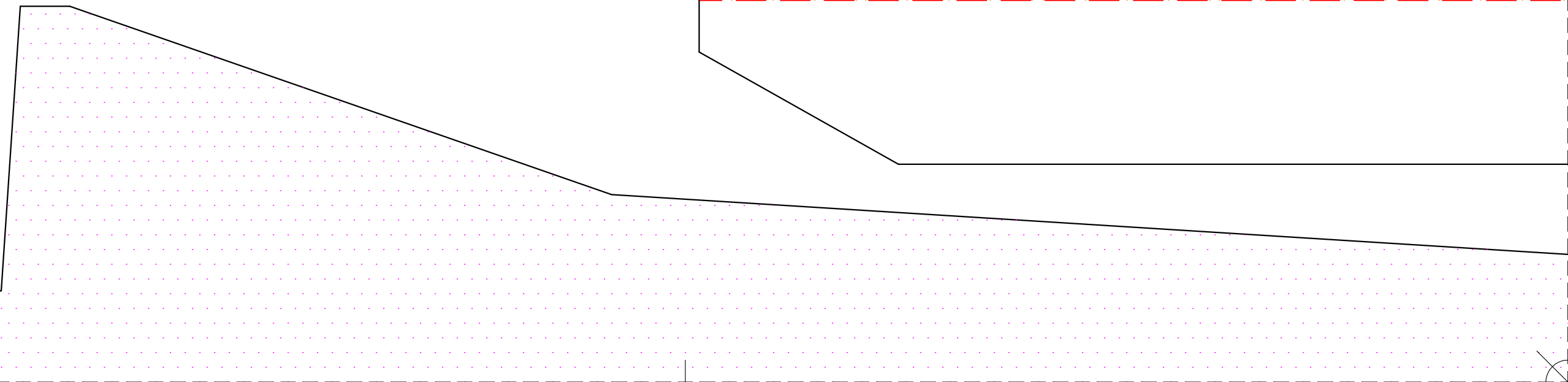
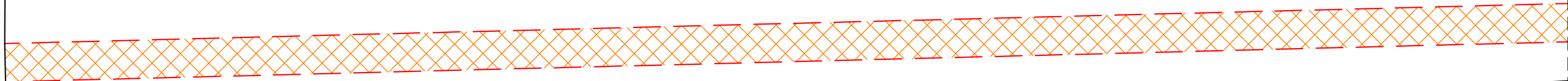
40
4

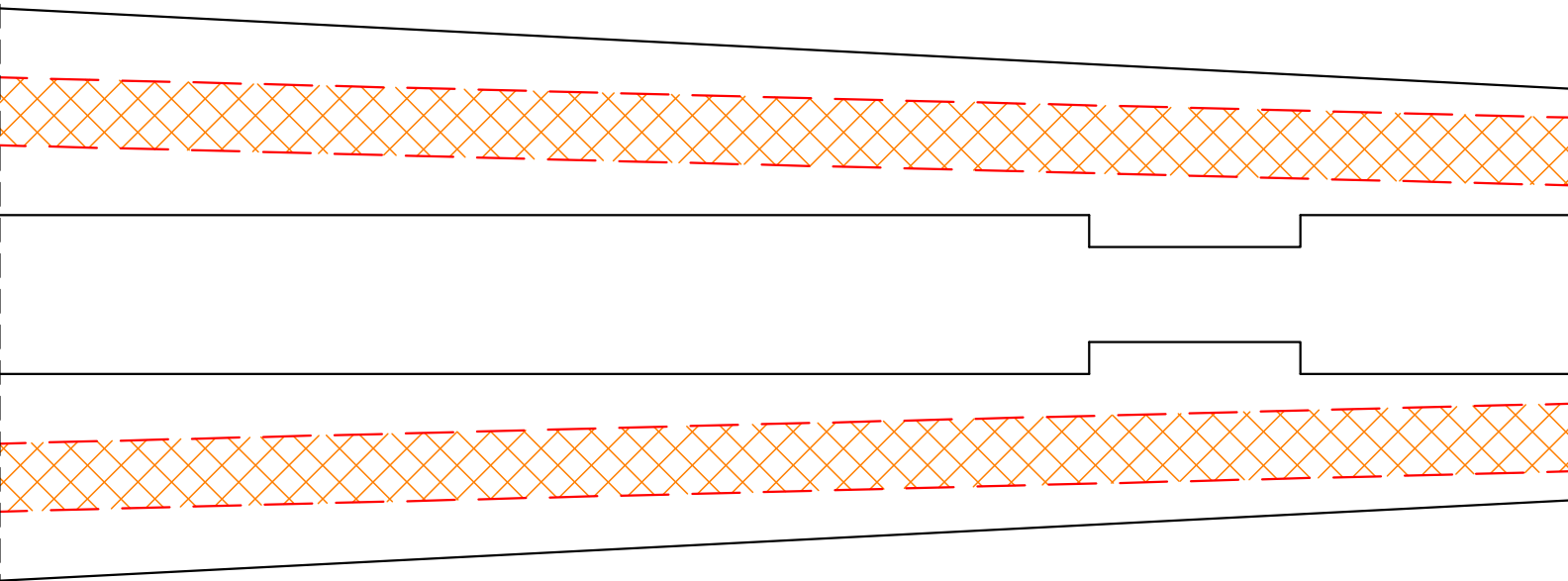
WING SPAR
FOAM BOARD
FT MUSTANG - v.1.0



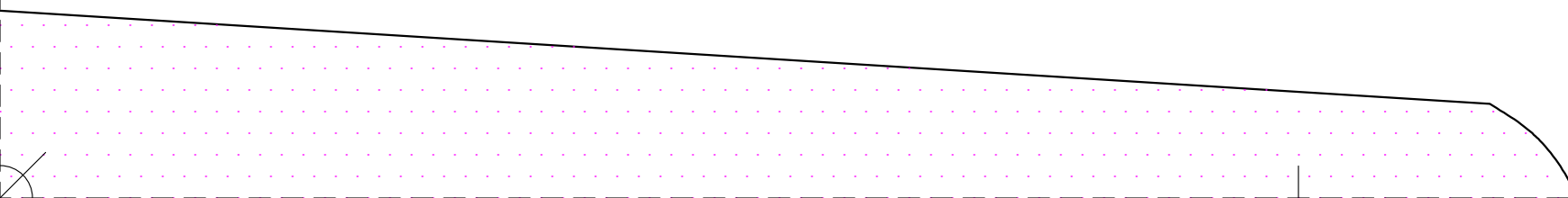
40
4

WING SPAR
FOAM BOARD
FT MUSTANG - v.1.0





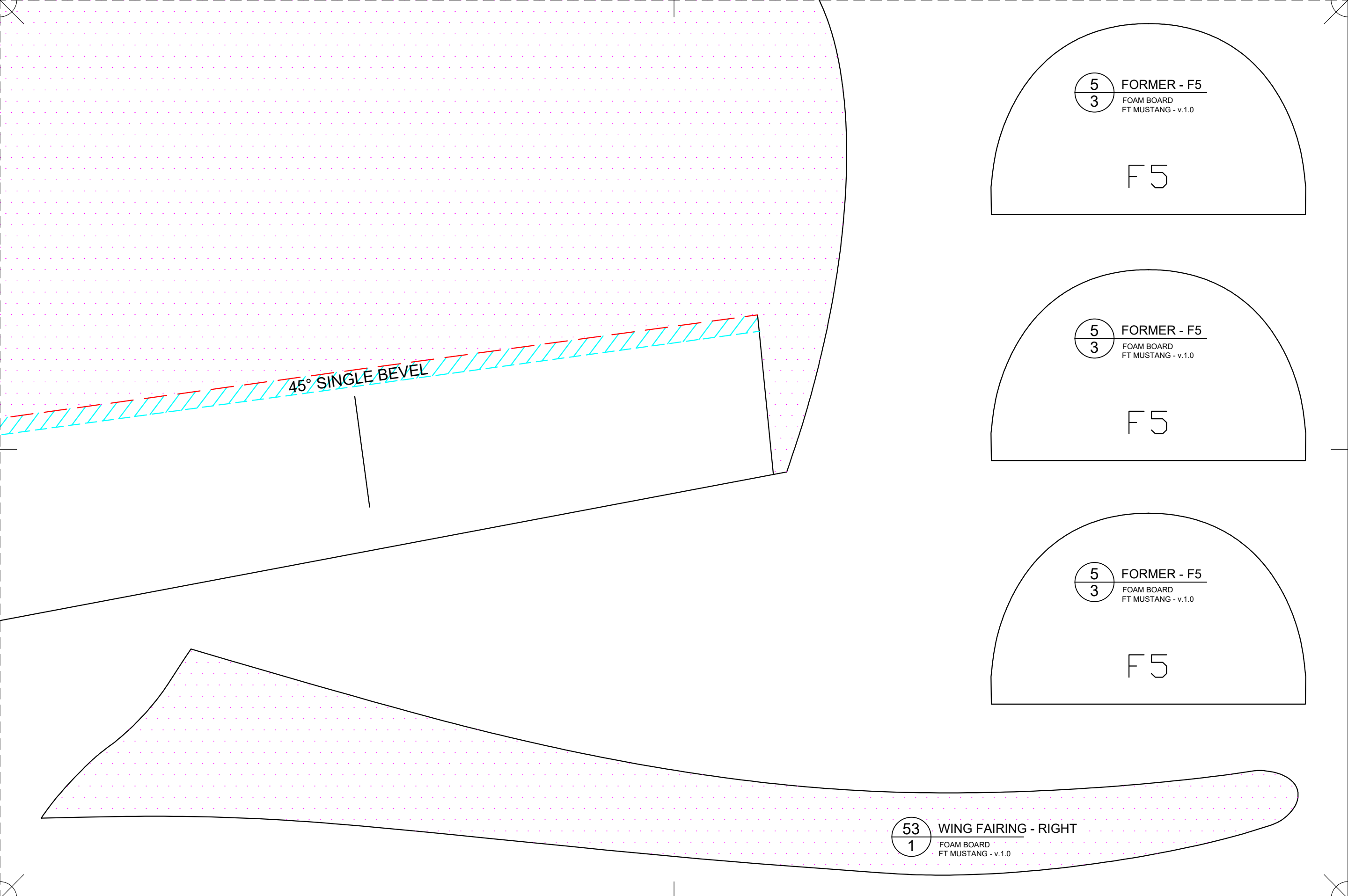
16 SPINE
1 FOAM BOARD
FT MUSTANG - v.1.0

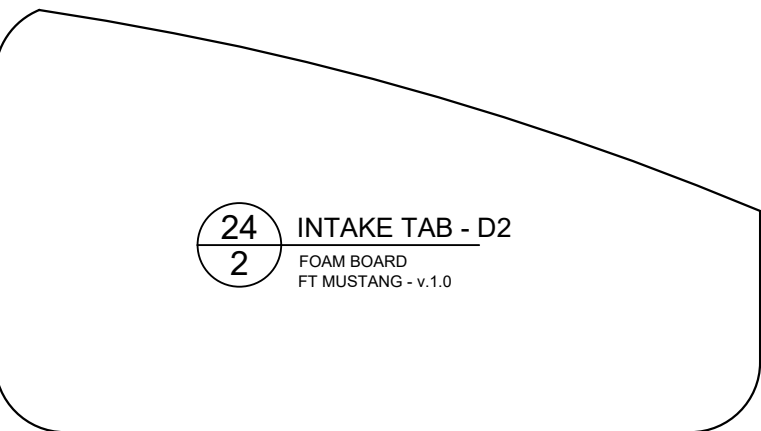
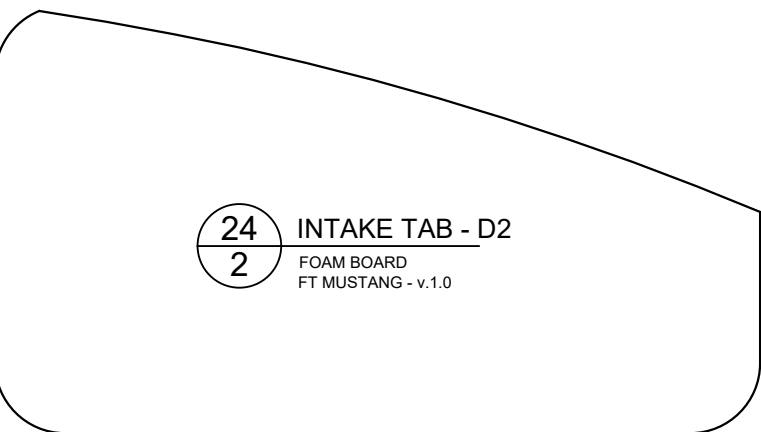


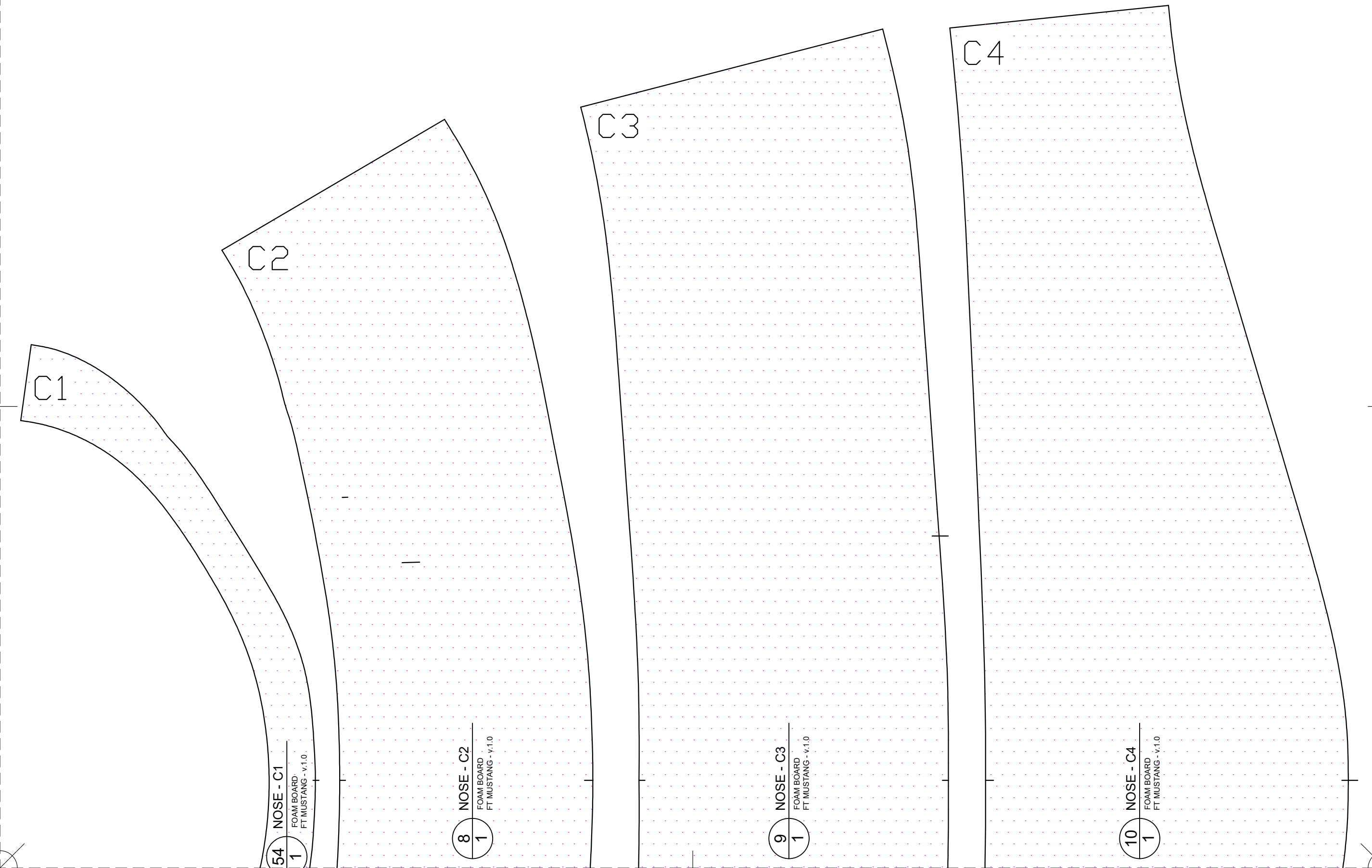
43
1

UPPER WING PANEL - LEFT

FOAM BOARD
FT MUSTANG - v.1.0







I1

49 INTAKE - I1
FOAM BOARD
FT MUSTANG - v.1.0

I2

17 INTAKE - I2
FOAM BOARD
FT MUSTANG - v.1.0

I3

18 INTAKE - I3
FOAM BOARD
FT MUSTANG - v.1.0

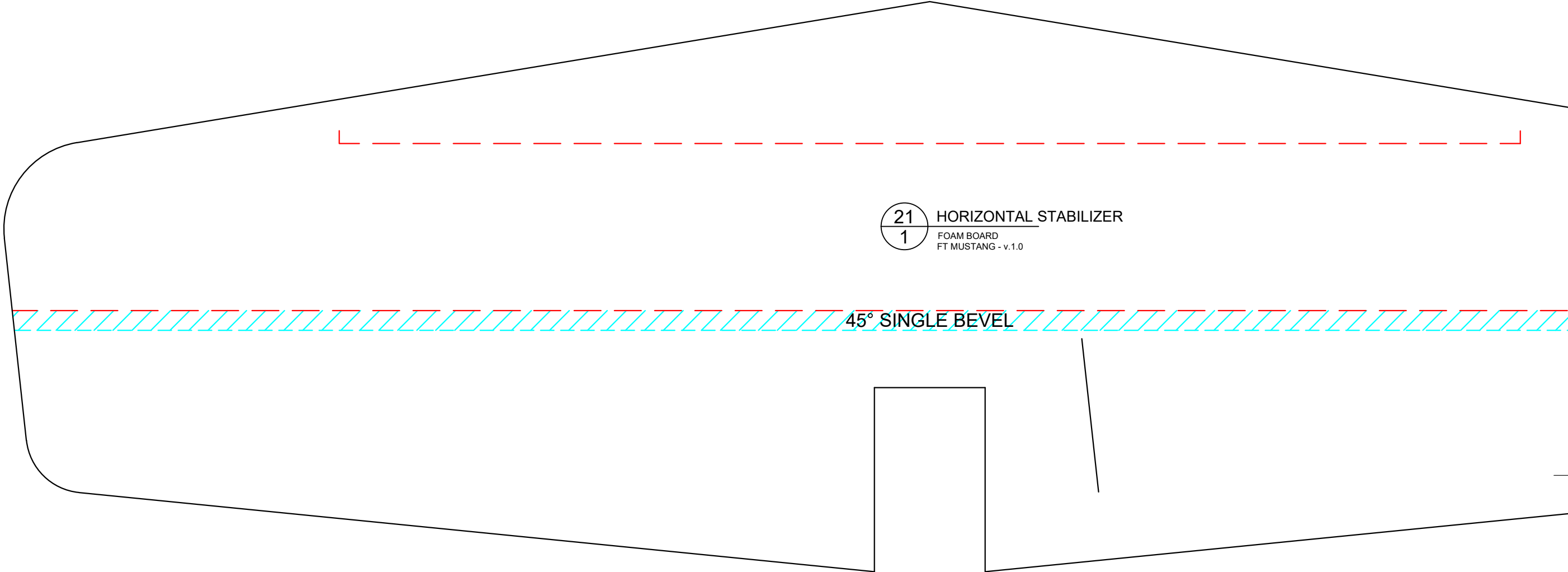
I4

19 INTAKE - I4
FOAM BOARD
FT MUSTANG - v.1.0

I5

20 INTAKE - I5
FOAM BOARD
FT MUSTANG - v.1.0





3
2 FORMER - F3
FOAM BOARD
FT MUSTANG - v.1.0

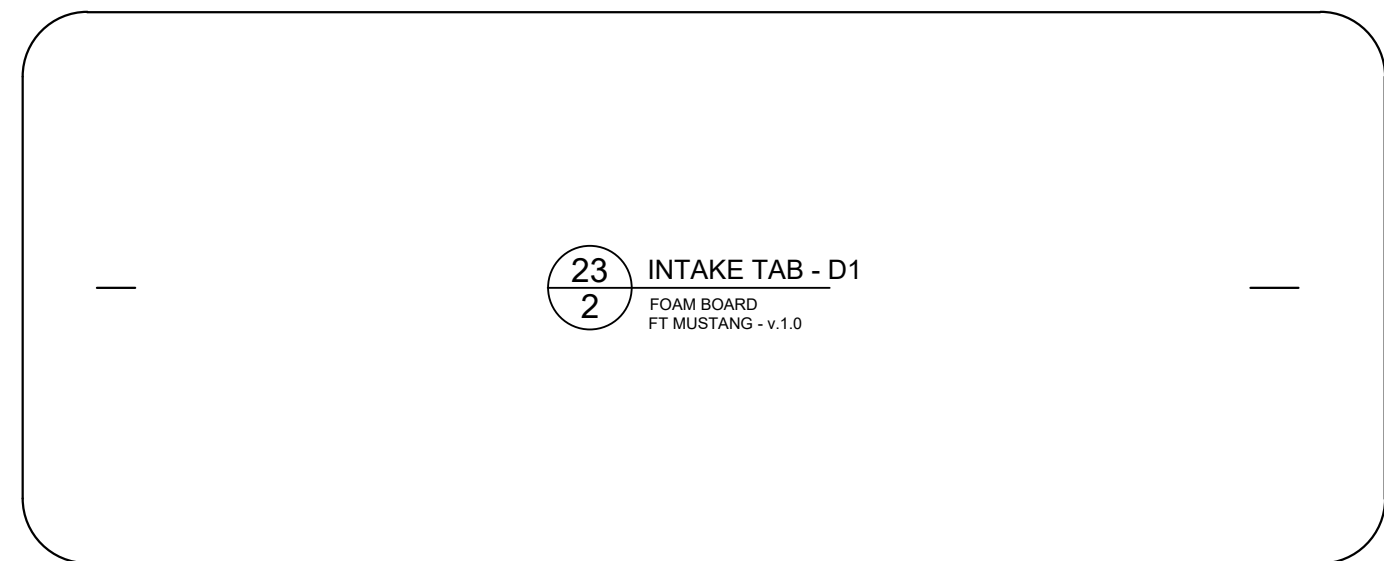
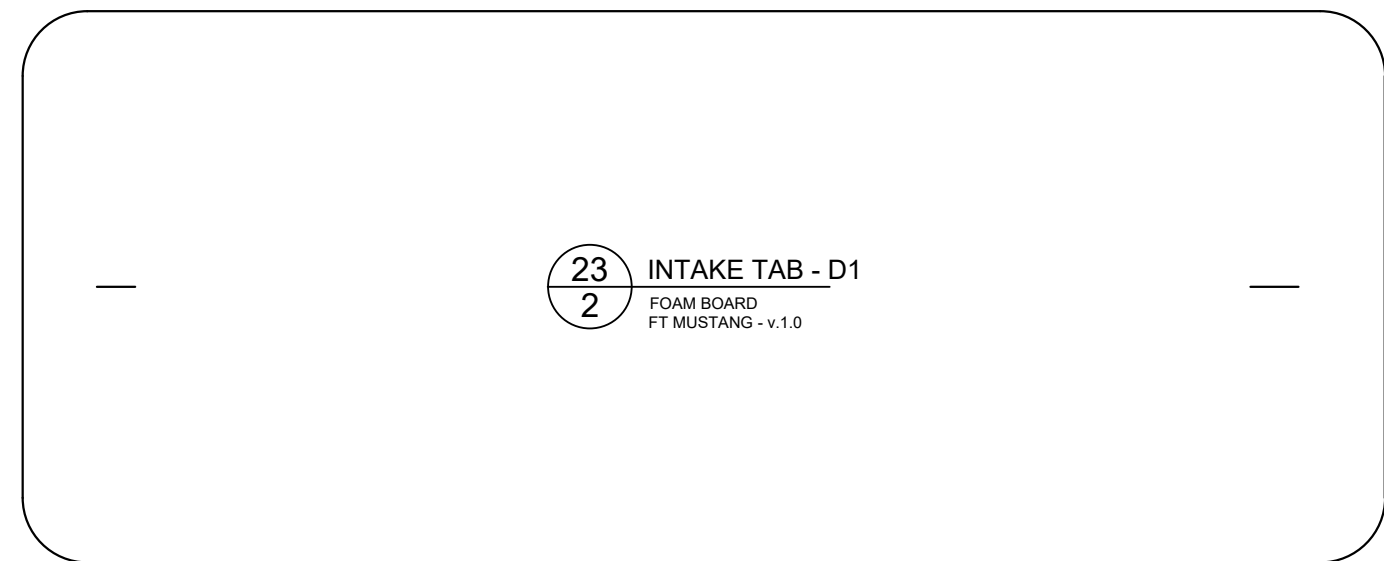
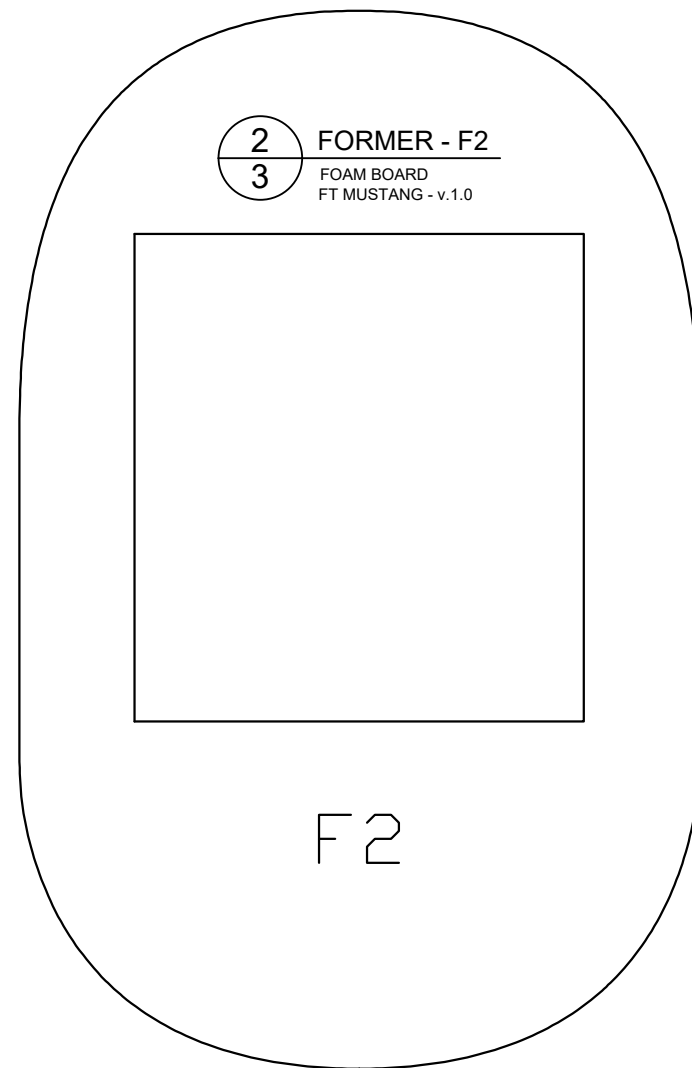
3
2 FORMER - F3
FOAM BOARD
FT MUSTANG - v.1.0

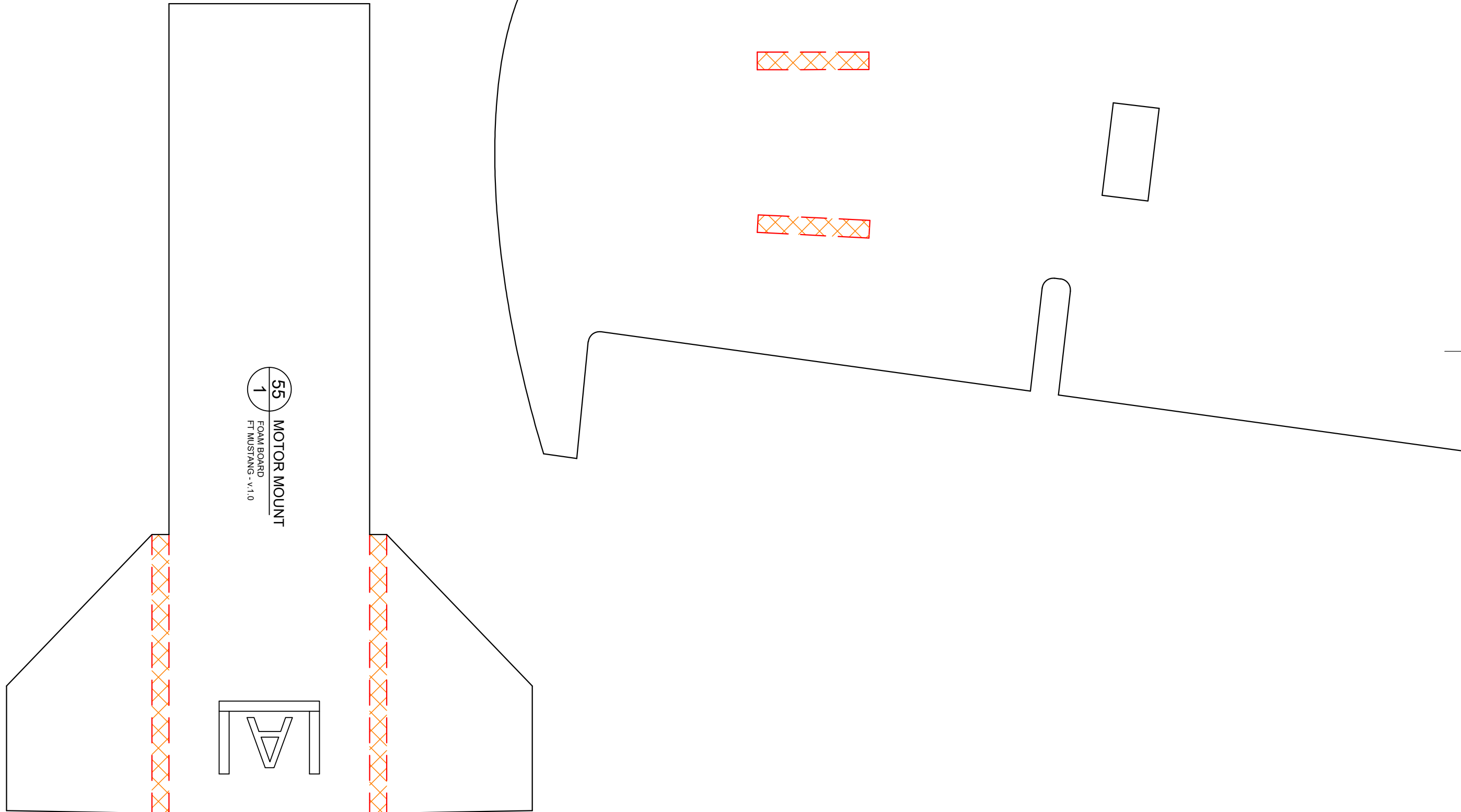
4
1 FORMER - F4
FOAM BOARD
FT MUSTANG - v.1.0

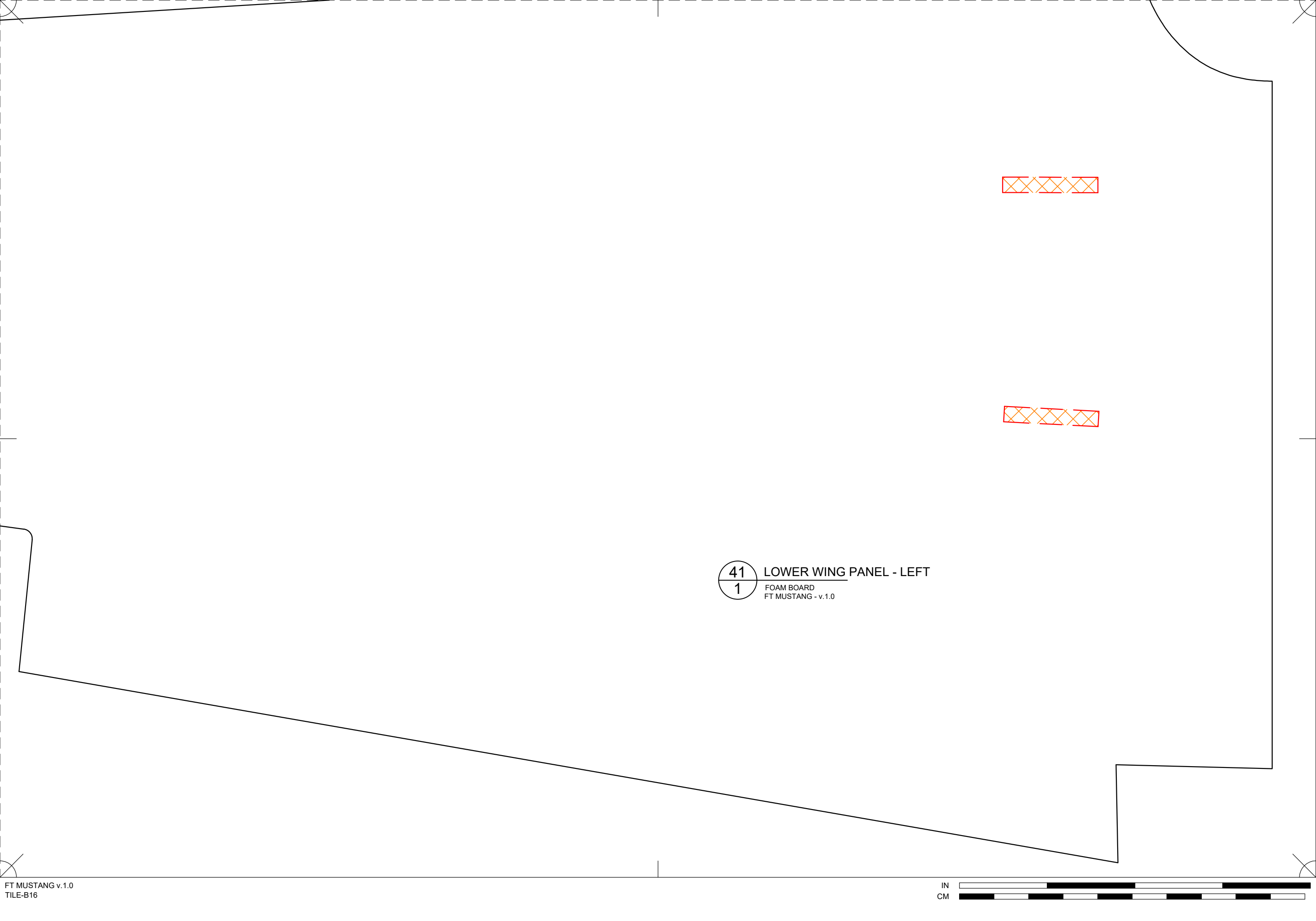
F3

F3

F4







41
1

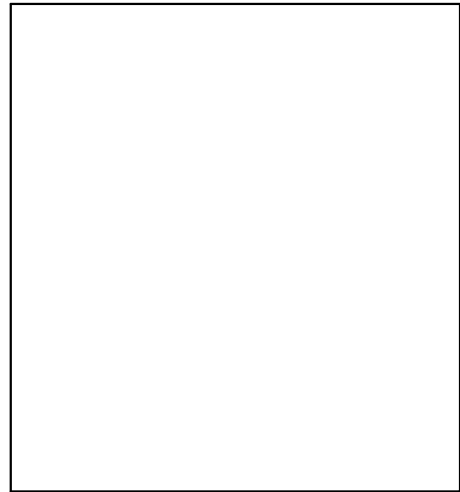
LOWER WING PANEL - LEFT

FOAM BOARD
FT MUSTANG - v.1.0

2
3

FORMER - F2

FOAM BOARD
FT MUSTANG - v.1.0

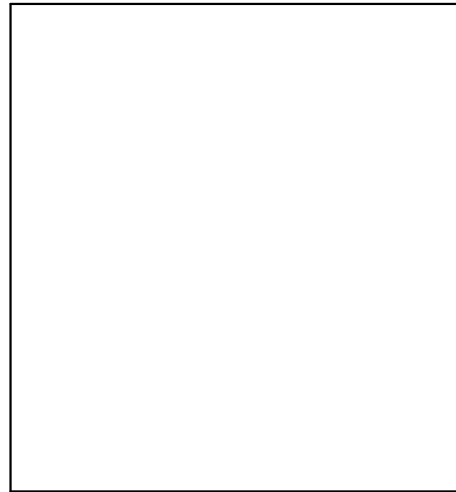


F2

2
3

FORMER - F2

FOAM BOARD
FT MUSTANG - v.1.0

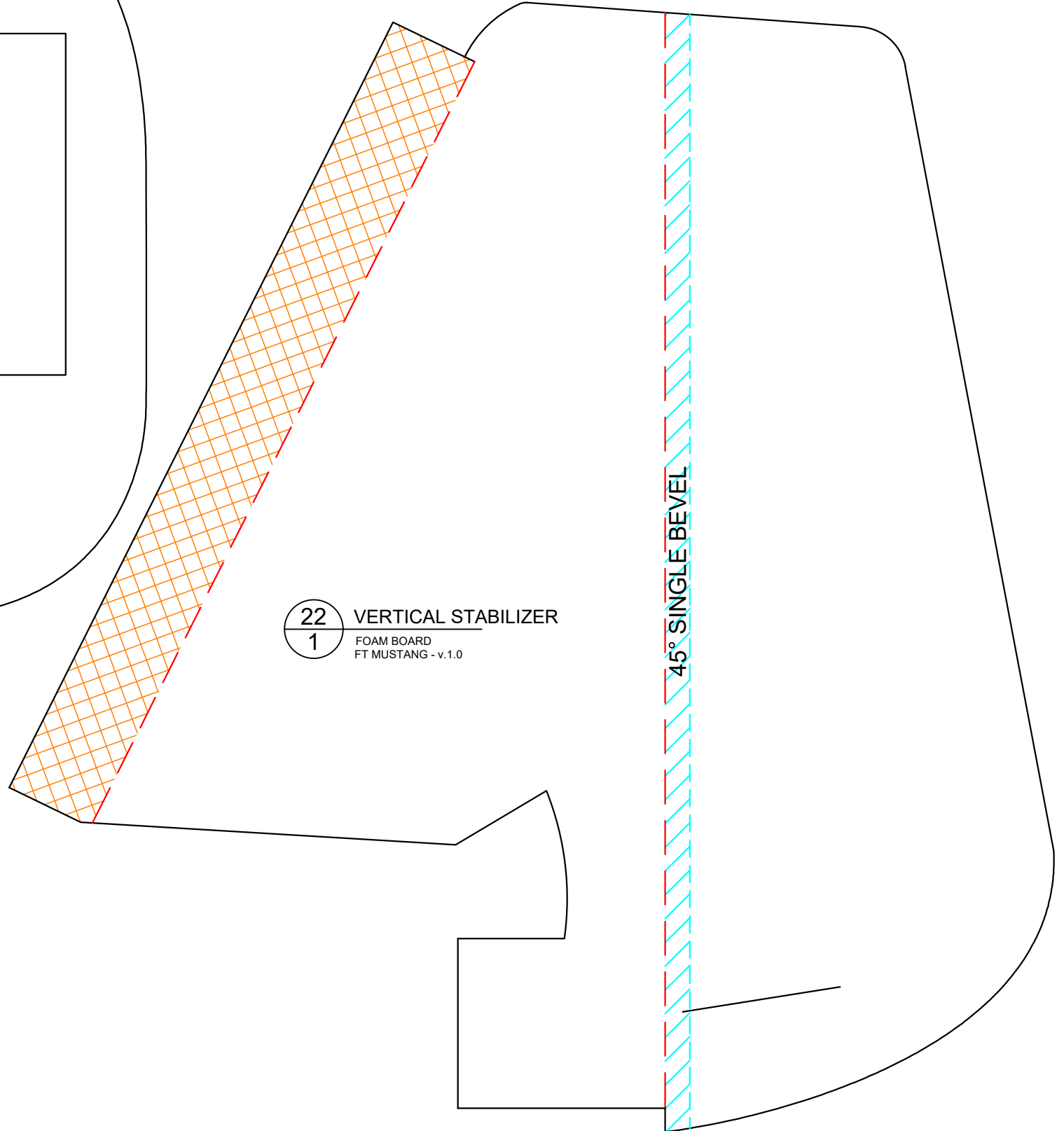


F2

22
1

VERTICAL STABILIZER

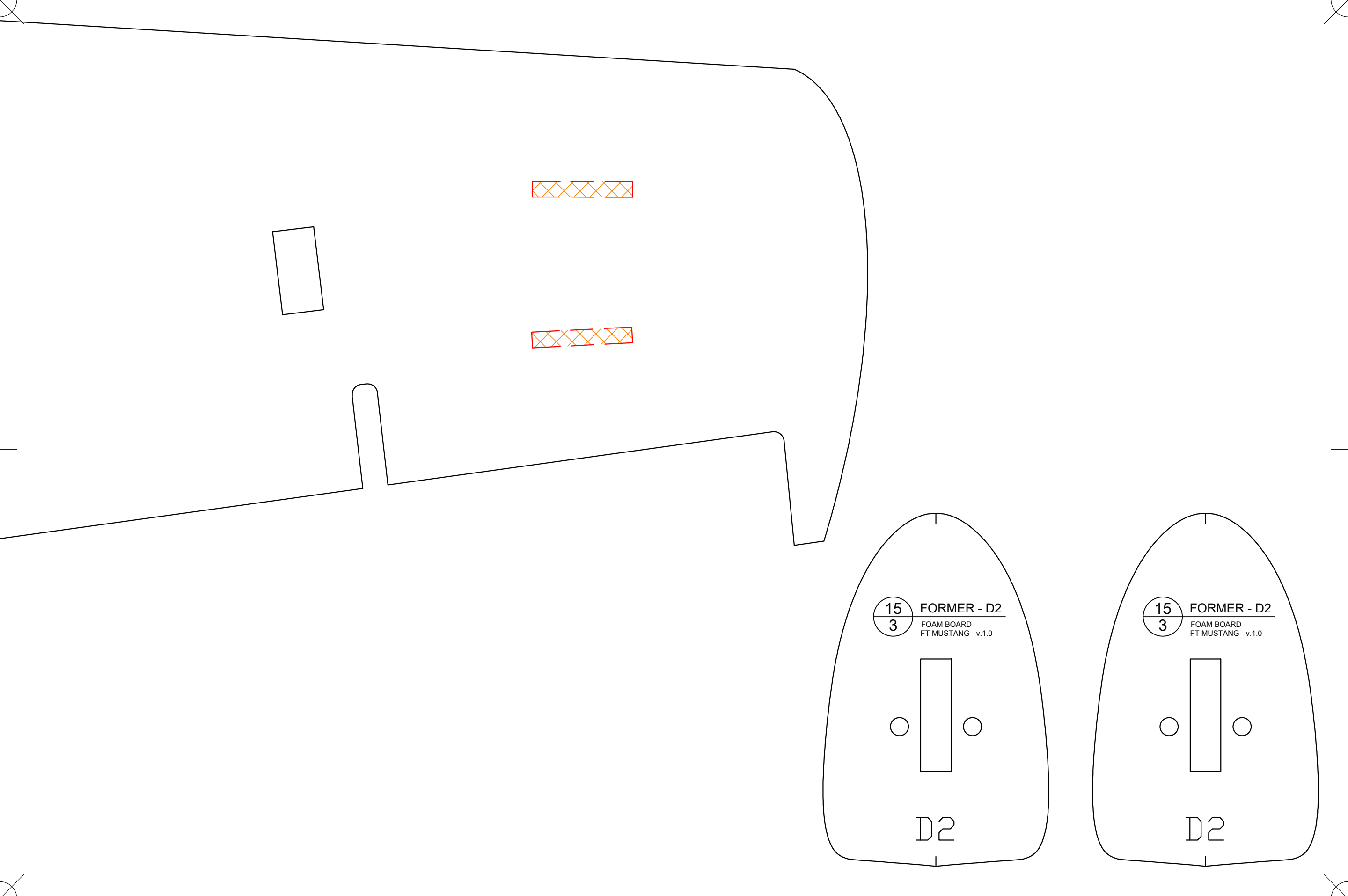
FOAM BOARD
FT MUSTANG - v.1.0







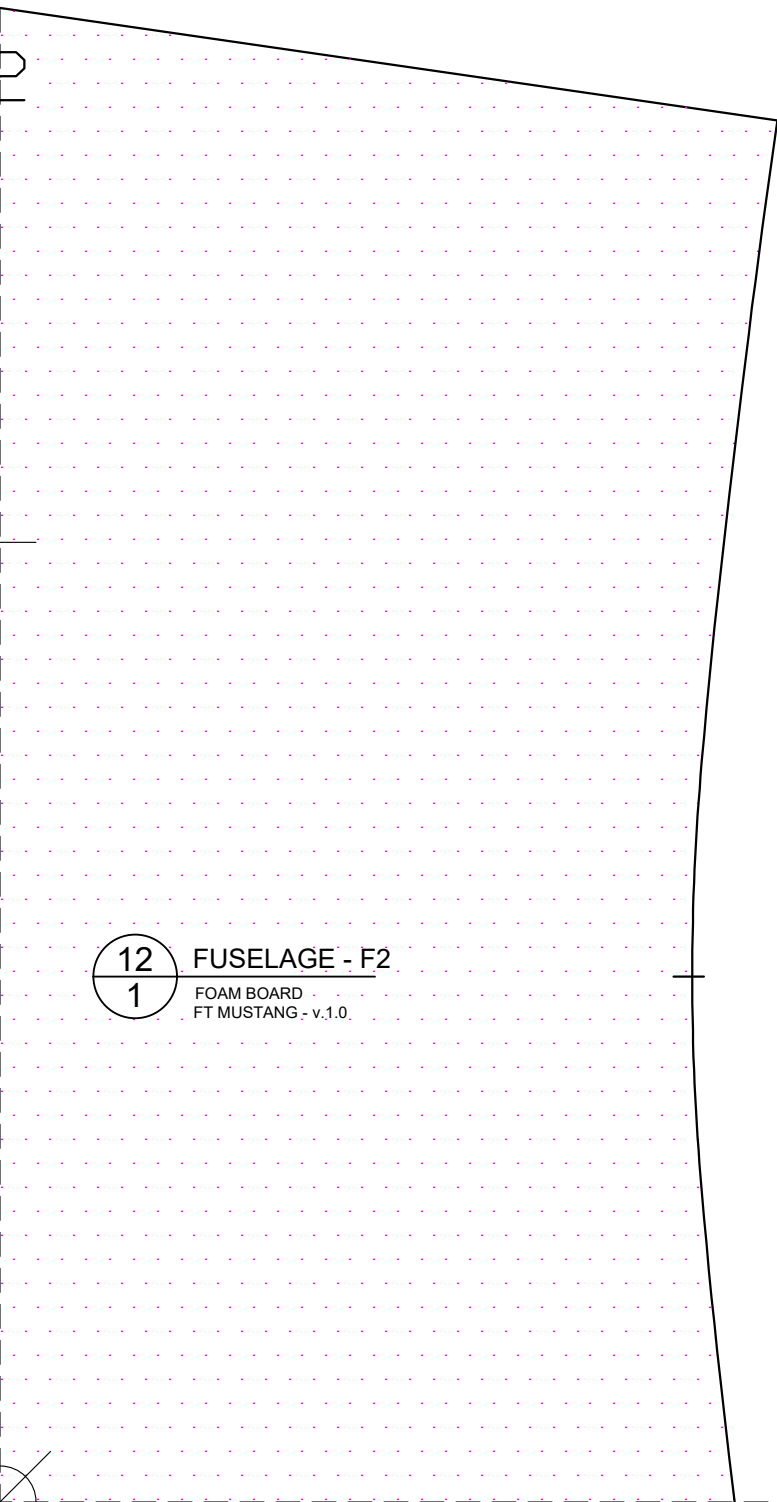
LOWER WING PANEL - RIGHT
FOAM BOARD
FT MUSTANG - v.1.0



F 1

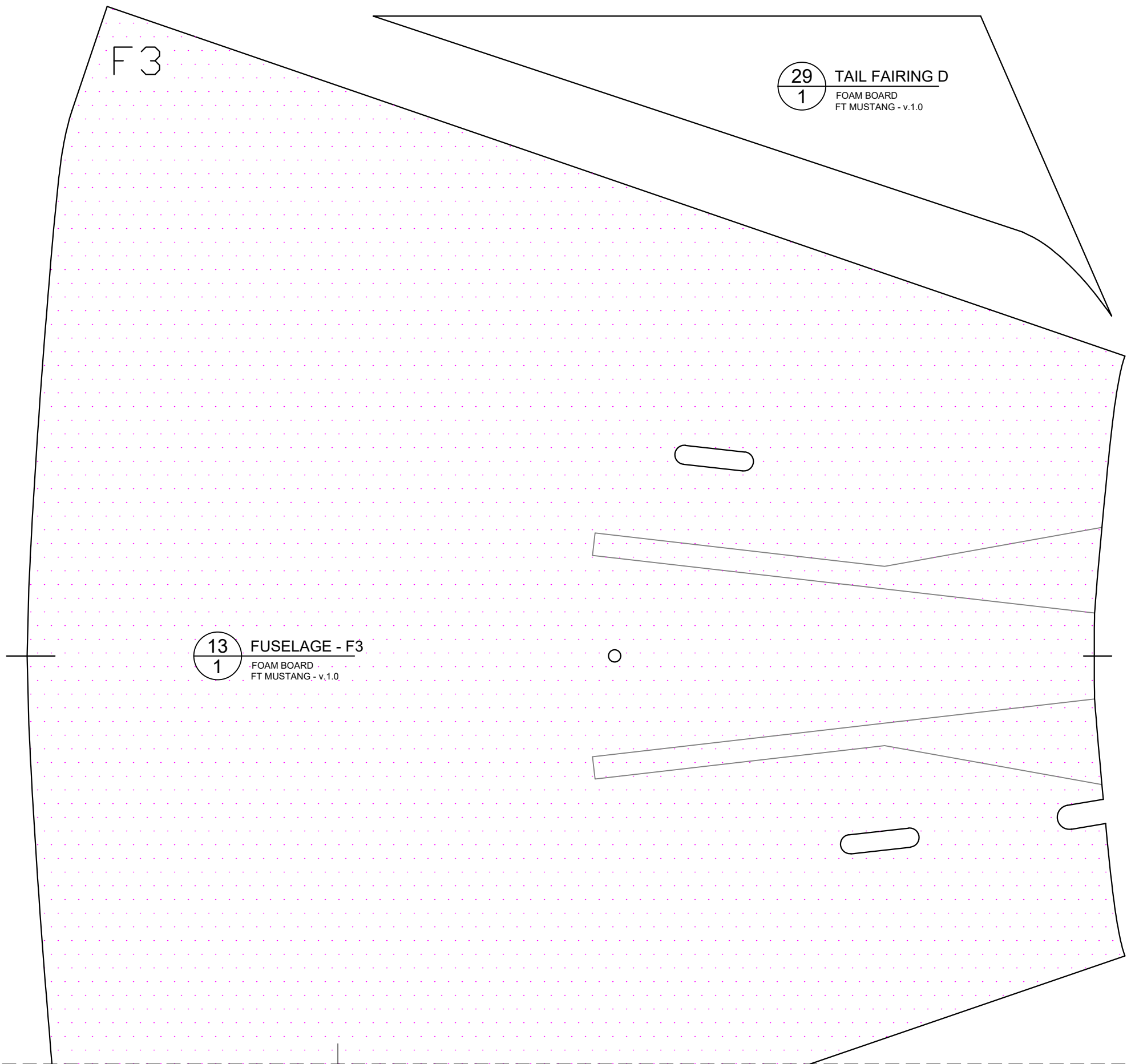
F 2

11
1 FUSELAGE - F1
FOAM BOARD
FT MUSTANG - v.1.0



12
1

FUSELAGE - F2
FOAM BOARD
FT MUSTANG - v.1.0



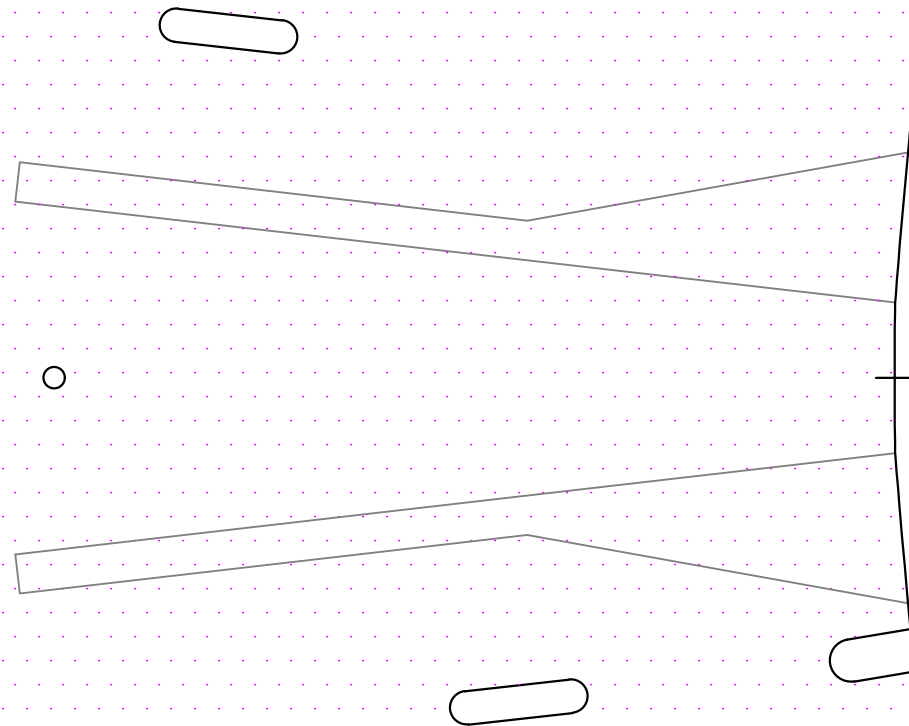
13
1

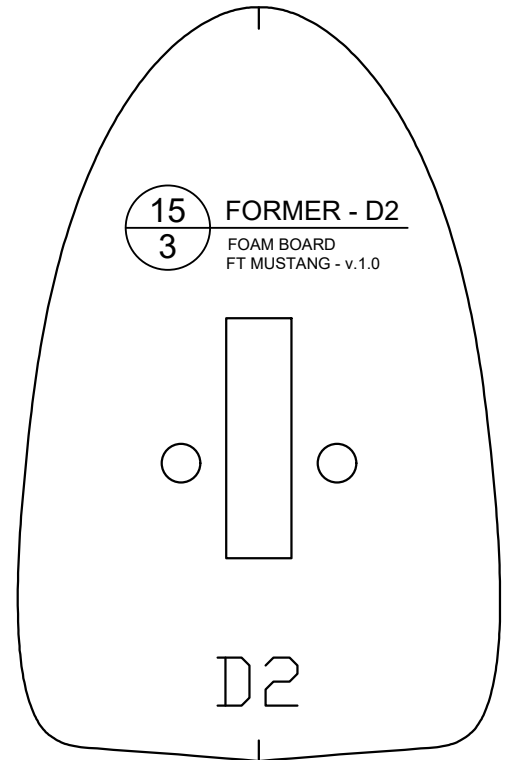
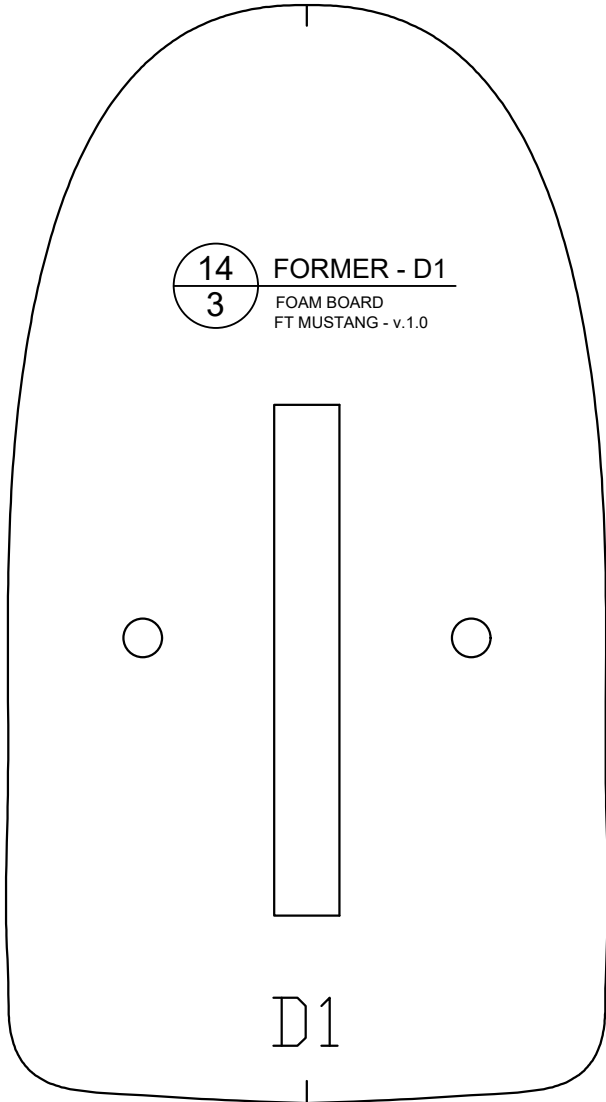
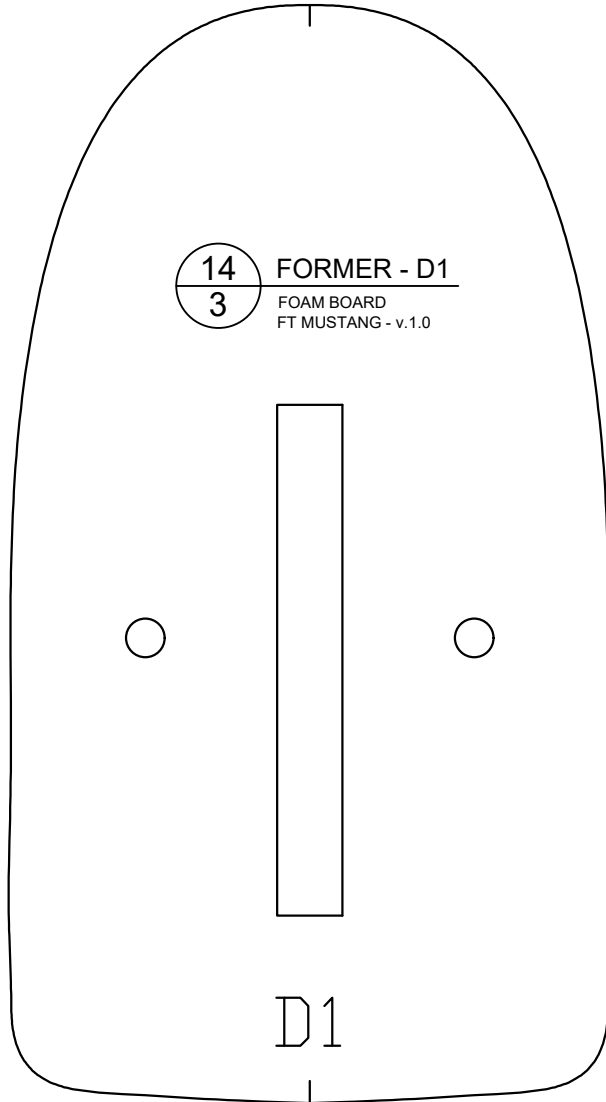
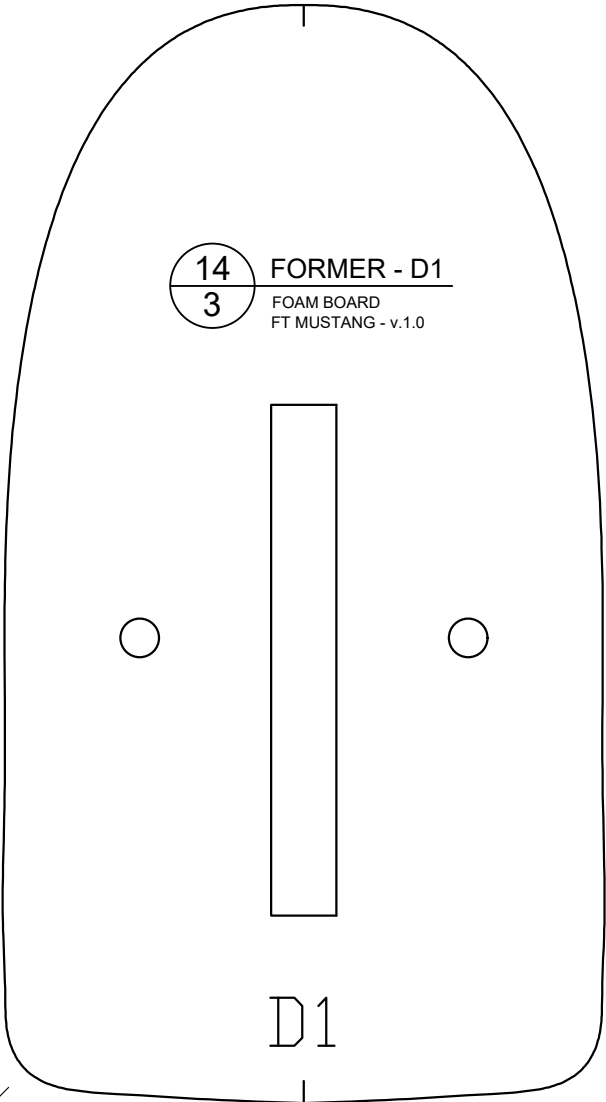
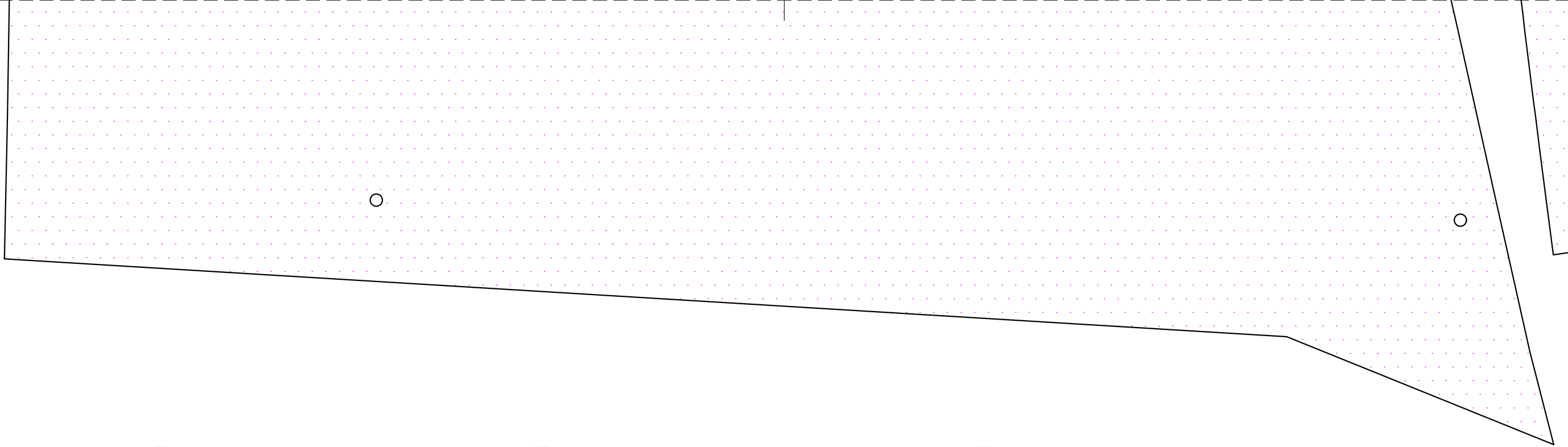
FUSELAGE - F3
FOAM BOARD
FT MUSTANG - v.1.0

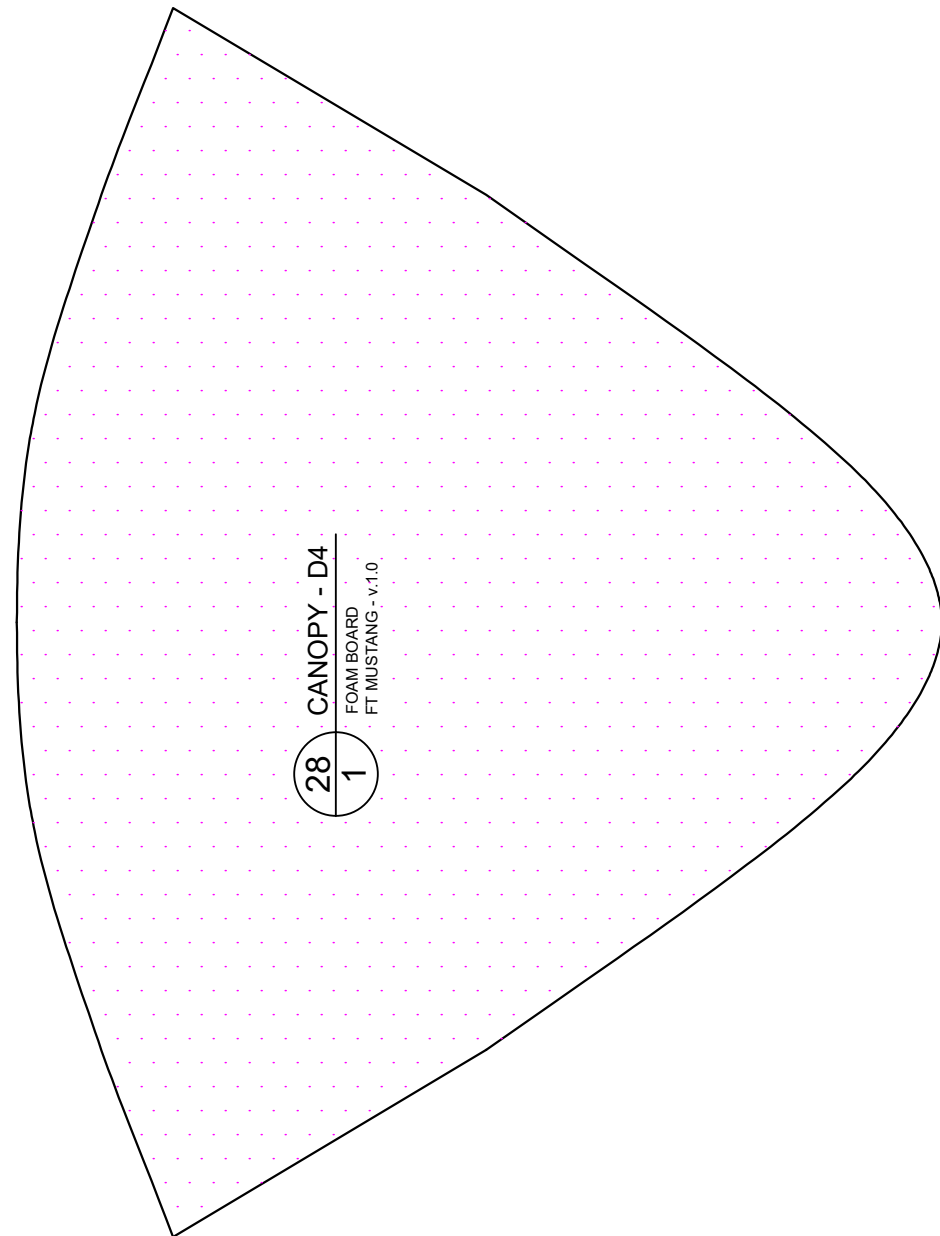
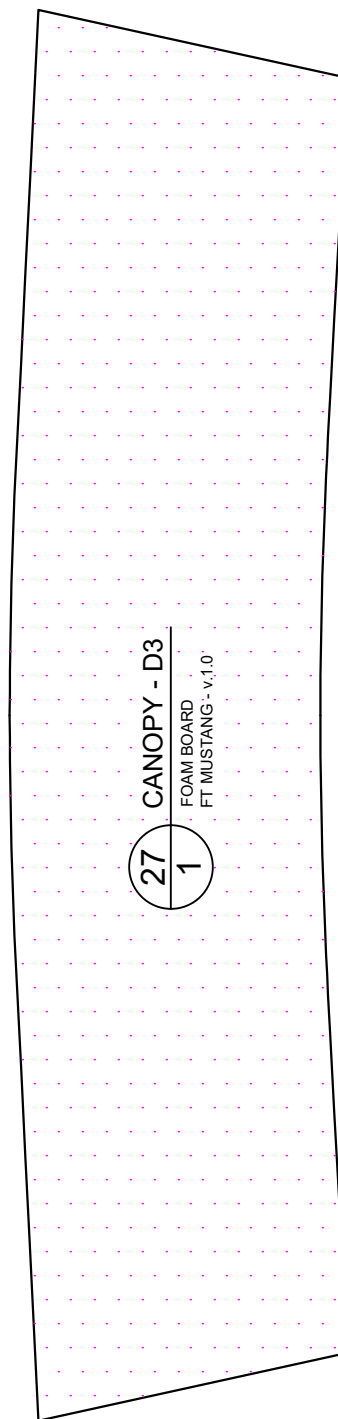
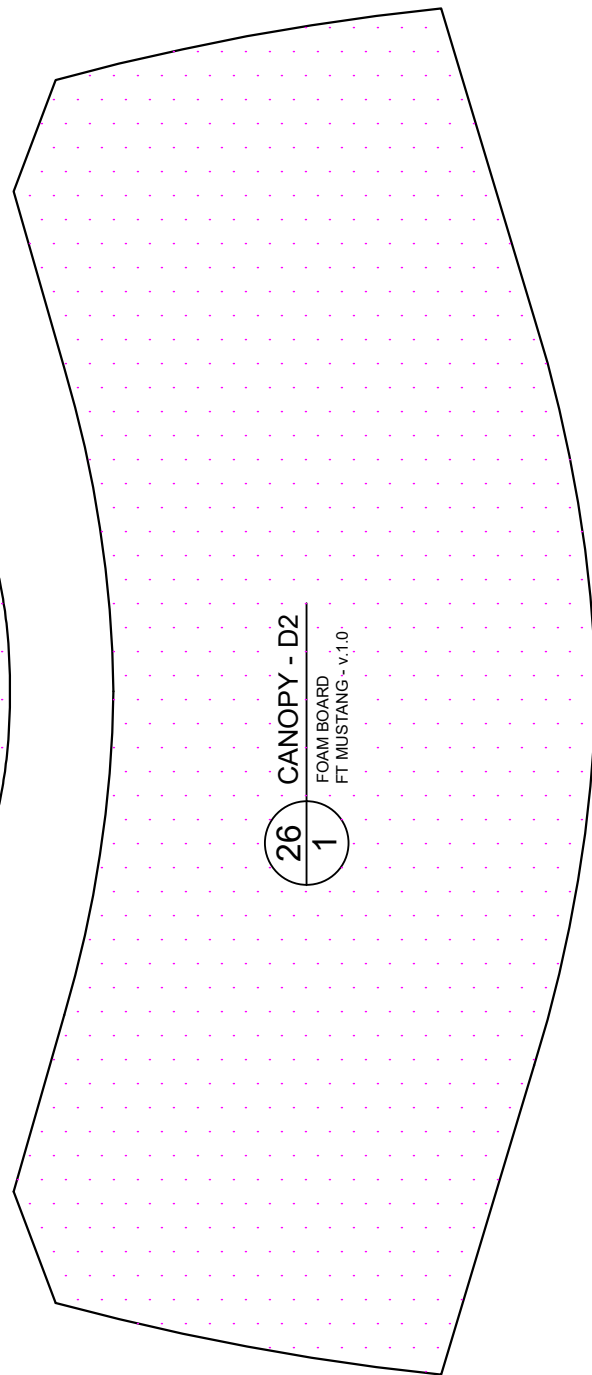
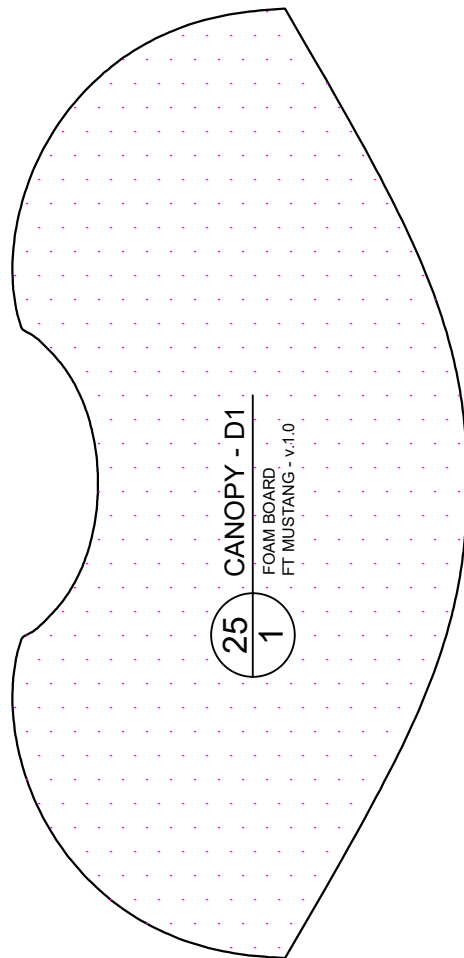
F3

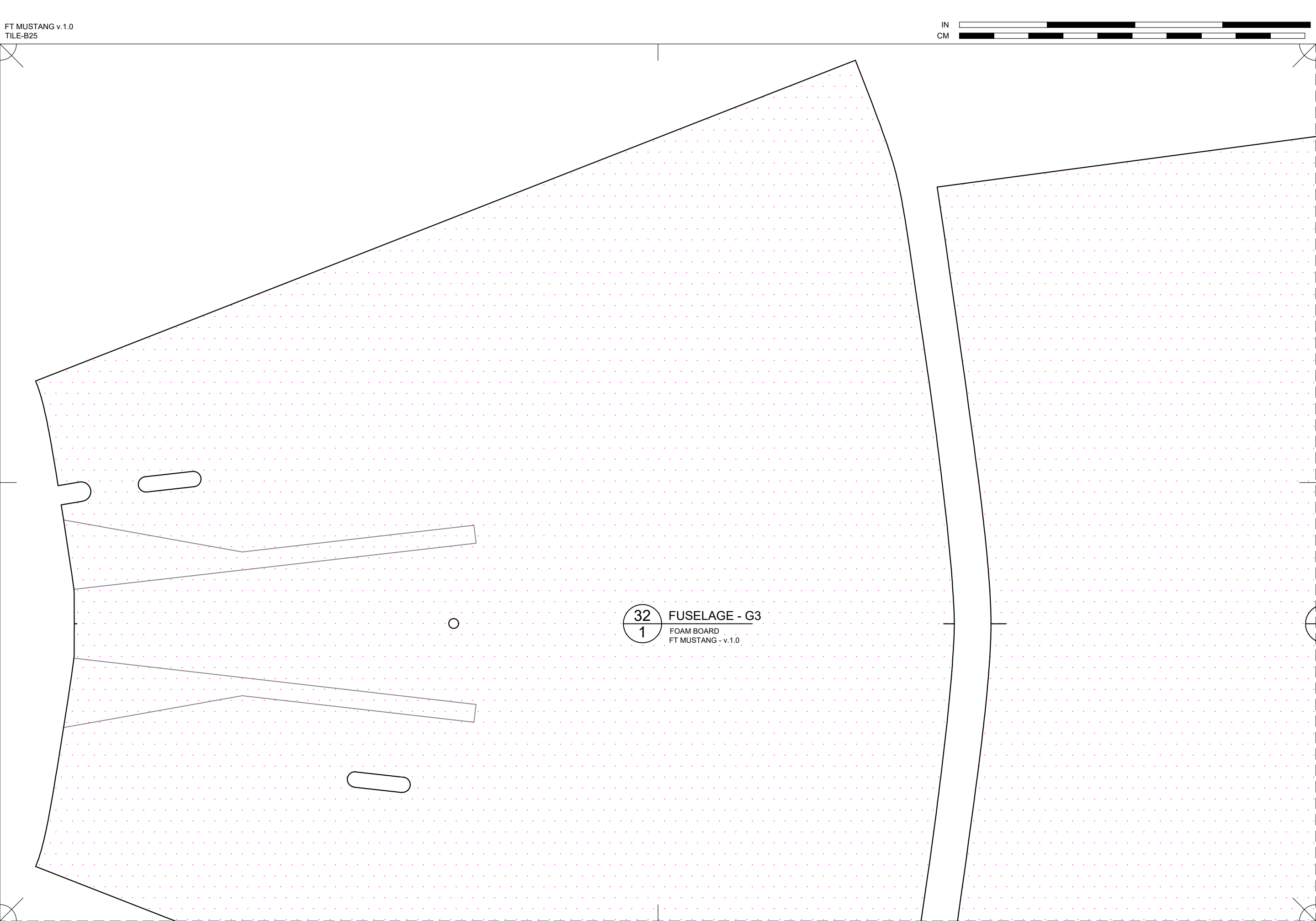
29
1

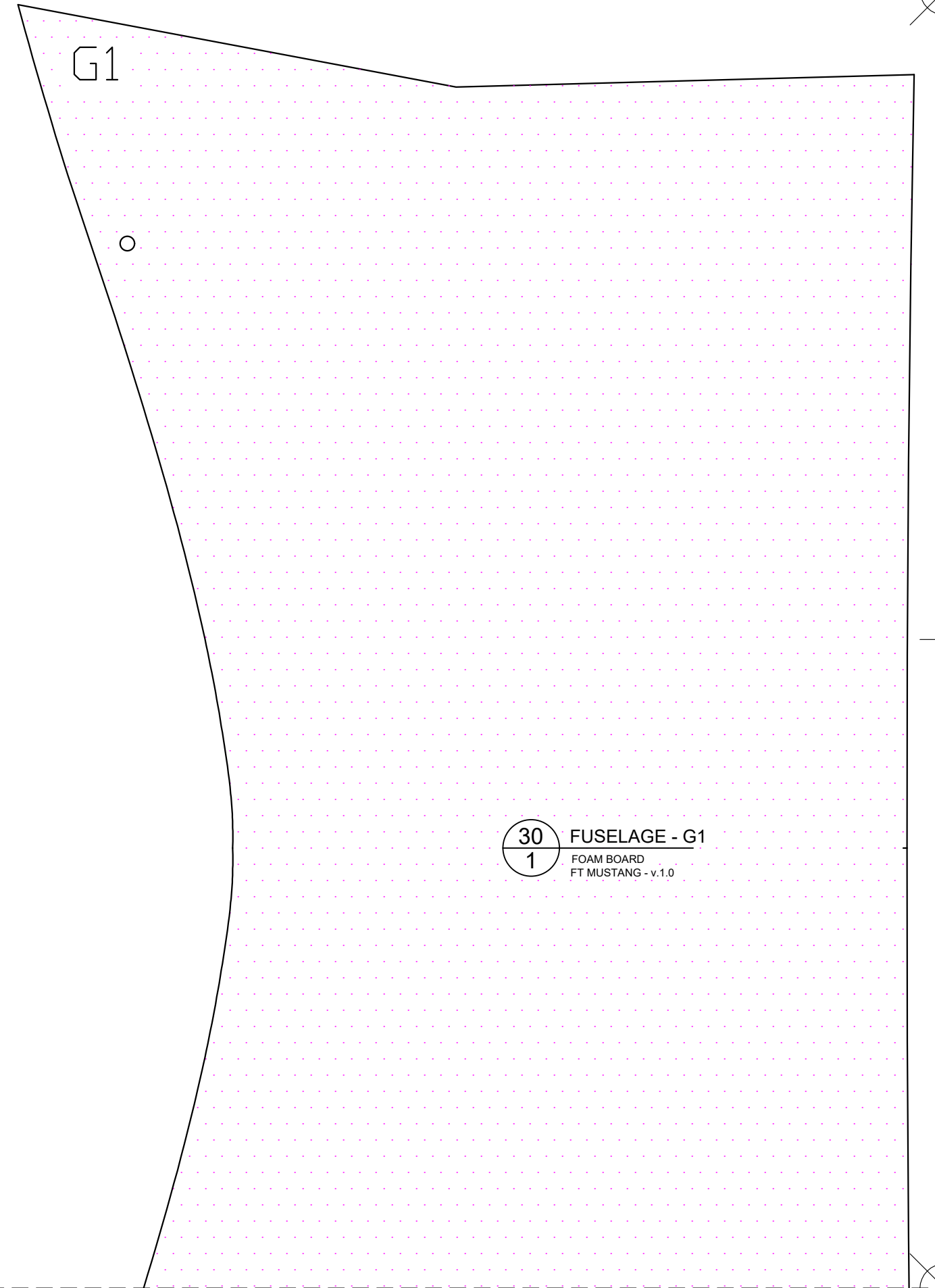
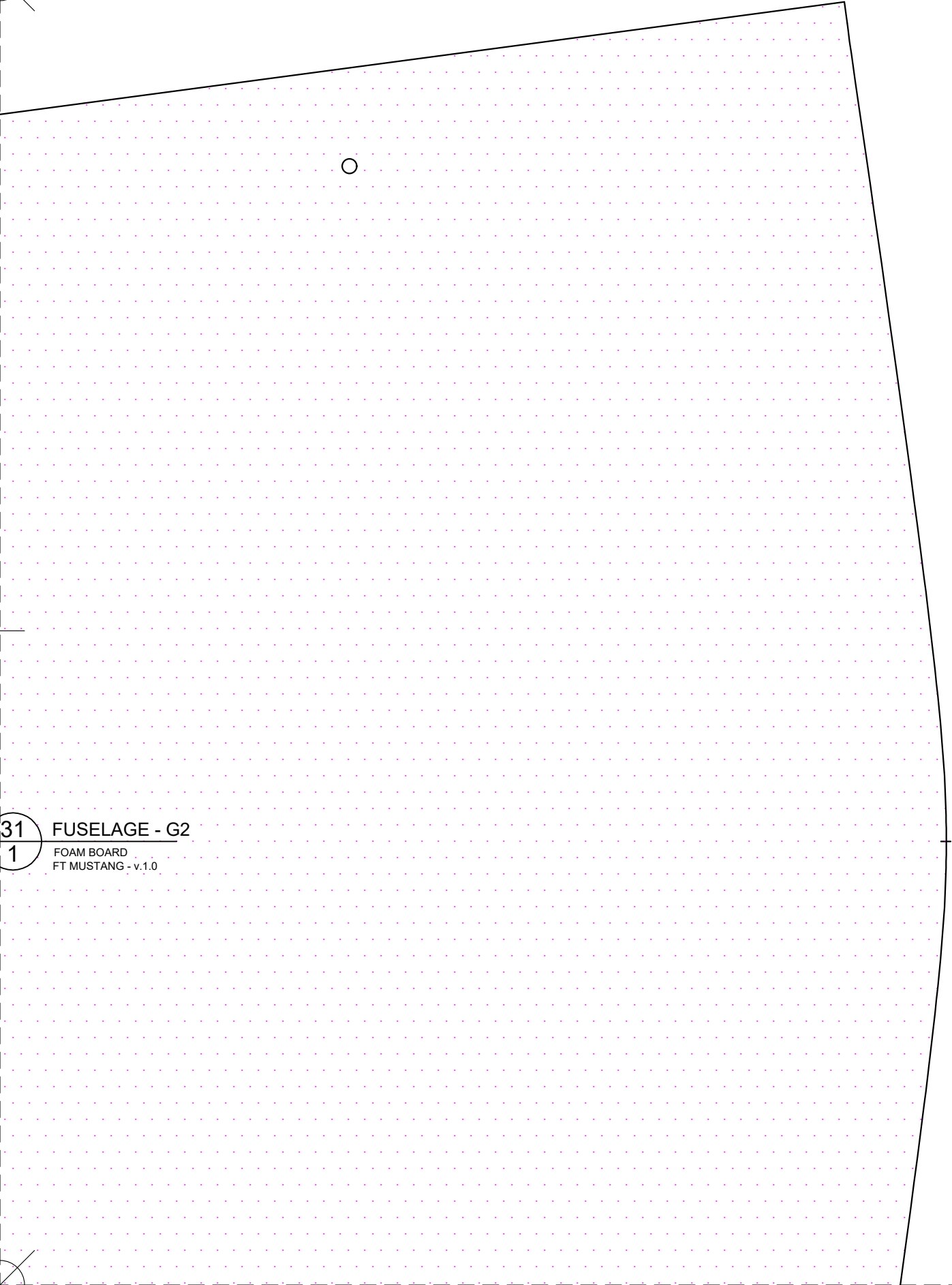
TAIL FAIRING D
FOAM BOARD
FT MUSTANG - v.1.0

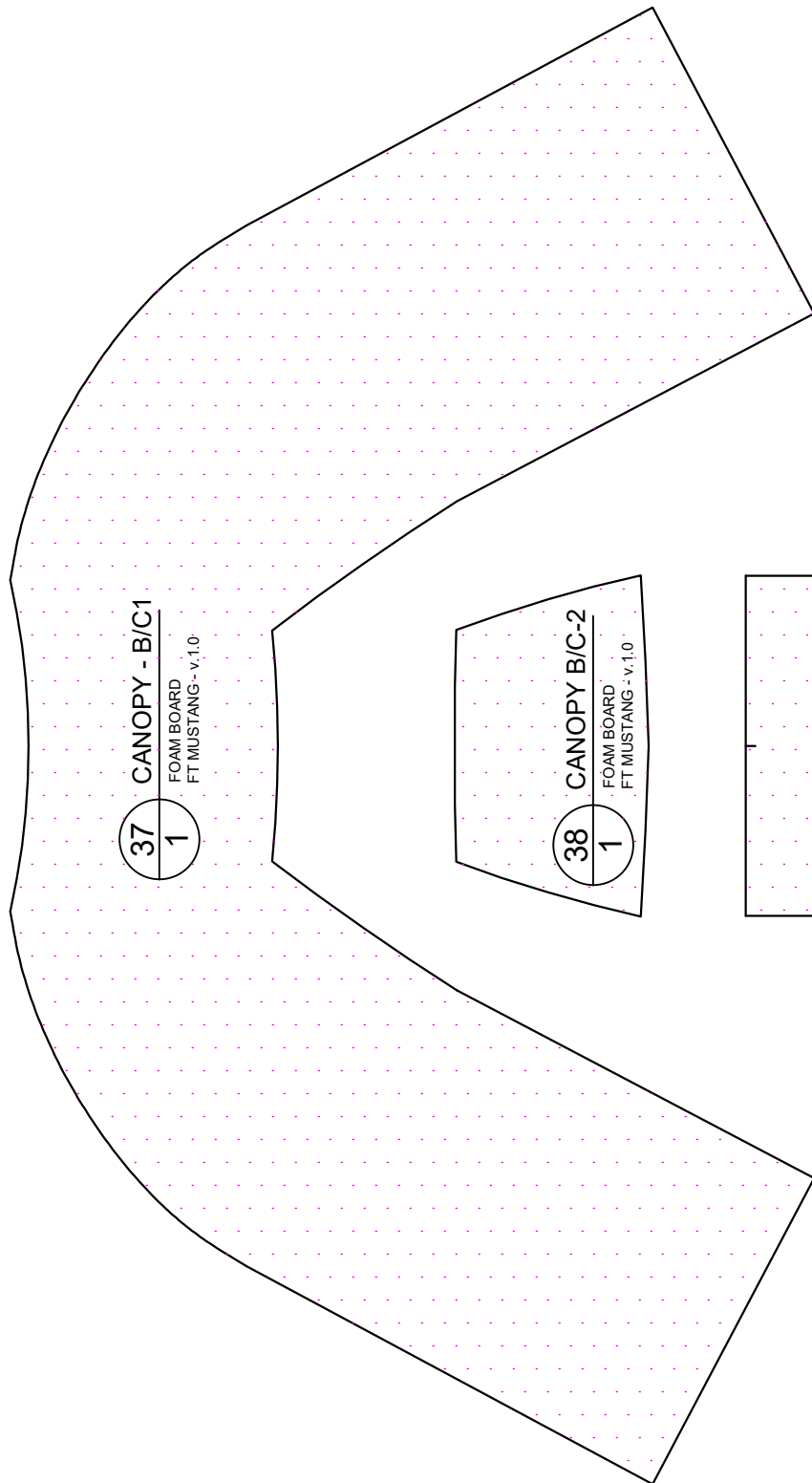




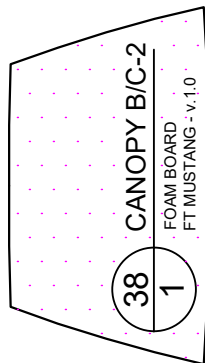




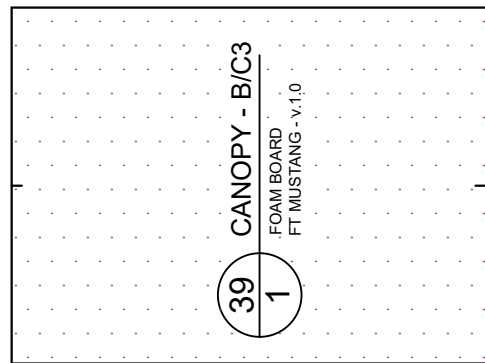




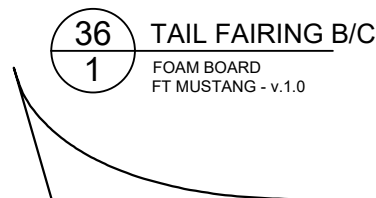
37
1
CANOPY - B/C1
FOAM BOARD
FT MUSTANG - v.1.0



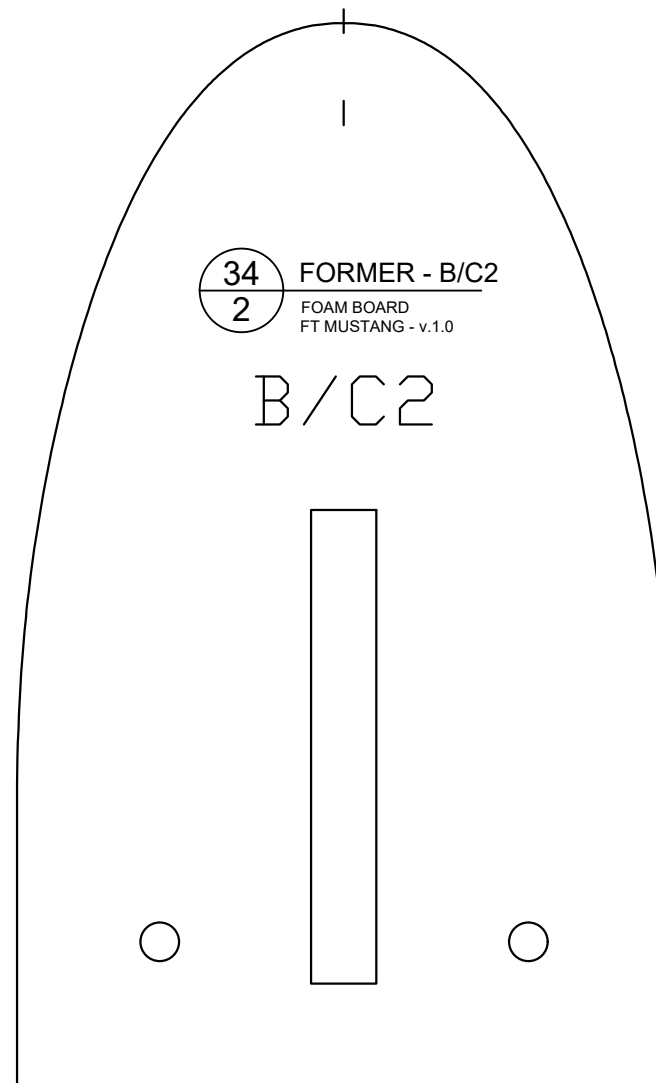
38
1
CANOPY B/C-2
FOAM BOARD
FT MUSTANG - v.1.0



39
1
CANOPY - B/C3
FOAM BOARD
FT MUSTANG - v.1.0

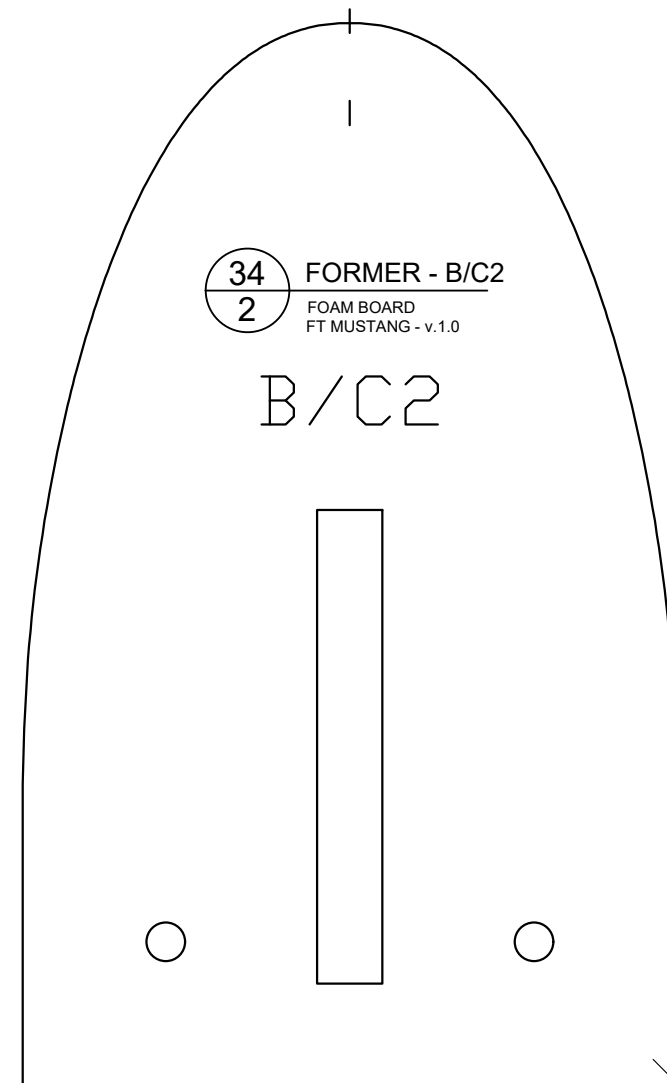


36
1
TAIL FAIRING B/C
FOAM BOARD
FT MUSTANG - v.1.0



34
2
FORMER - B/C2
FOAM BOARD
FT MUSTANG - v.1.0

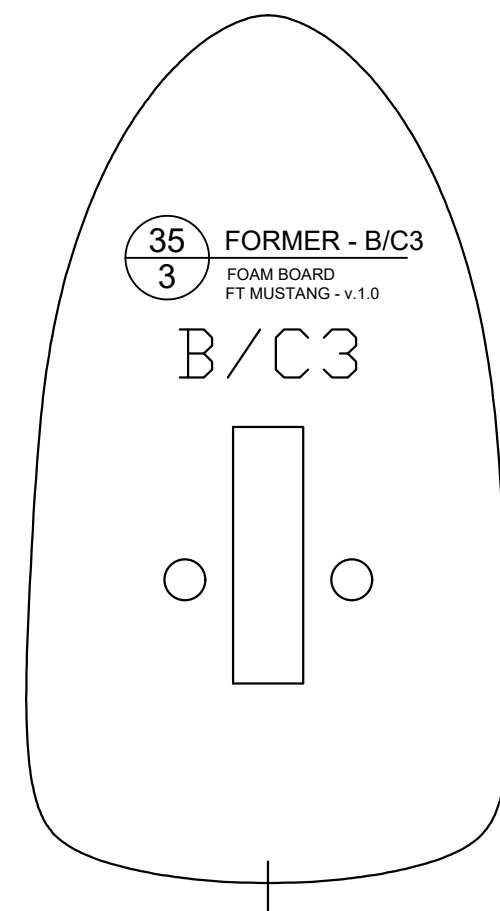
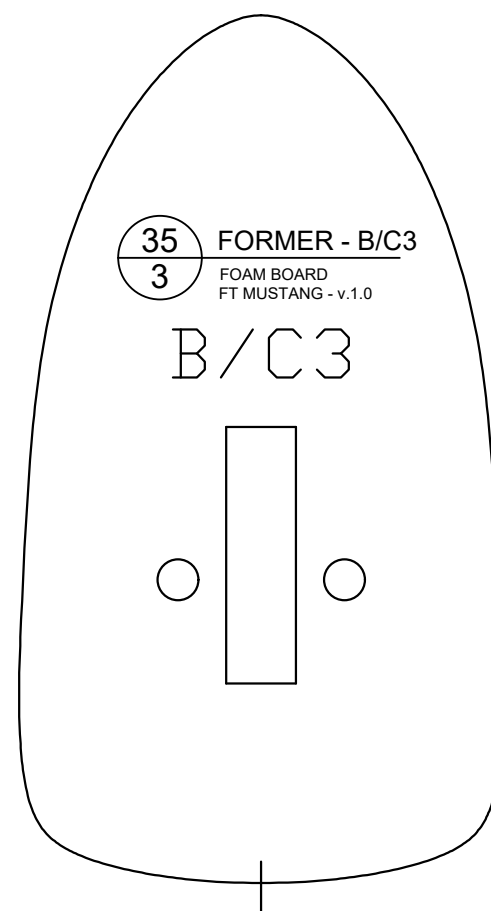
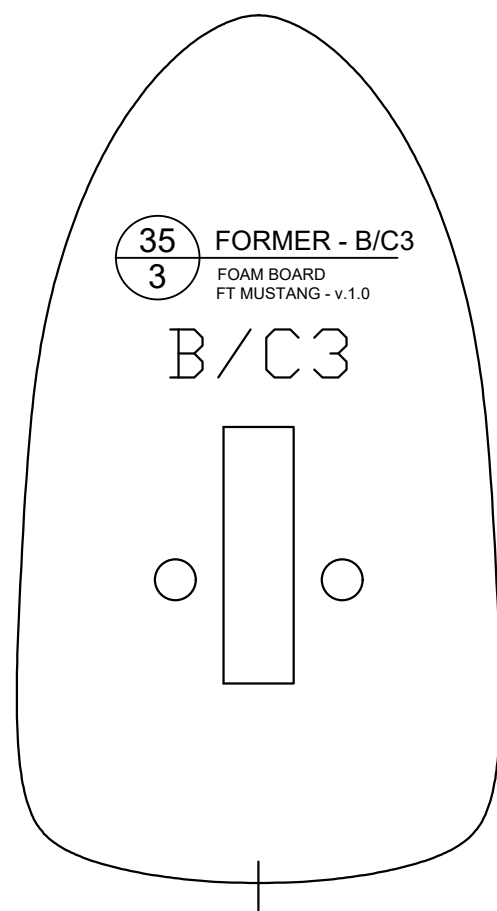
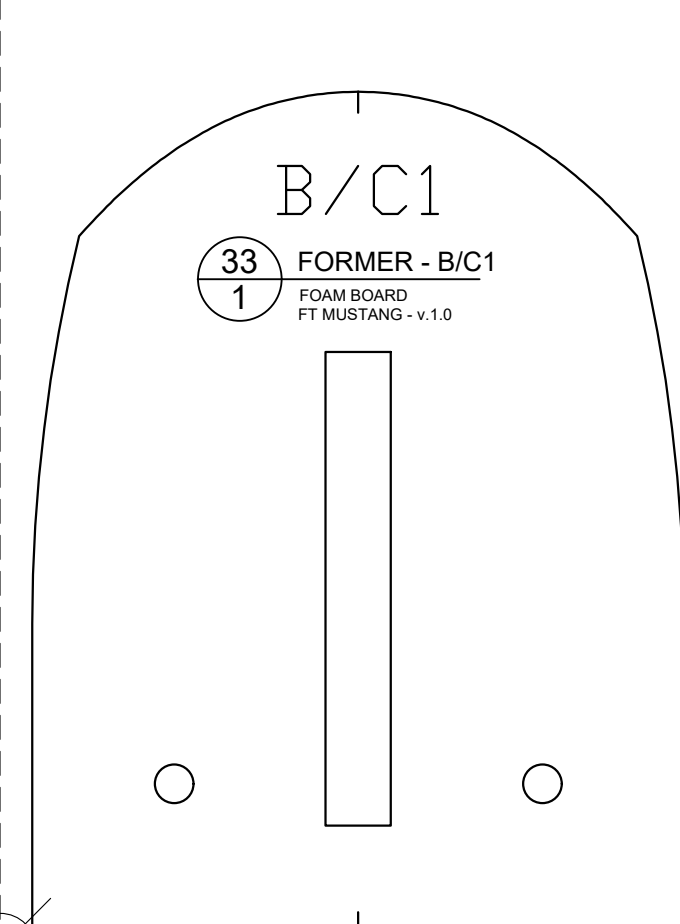
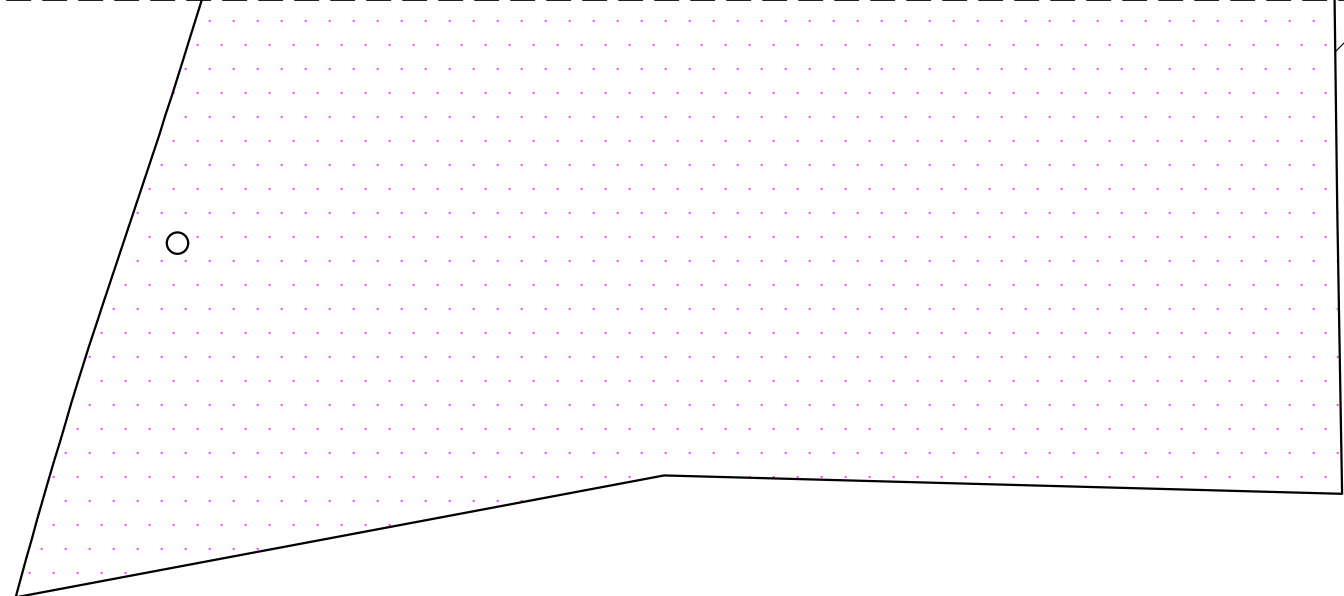
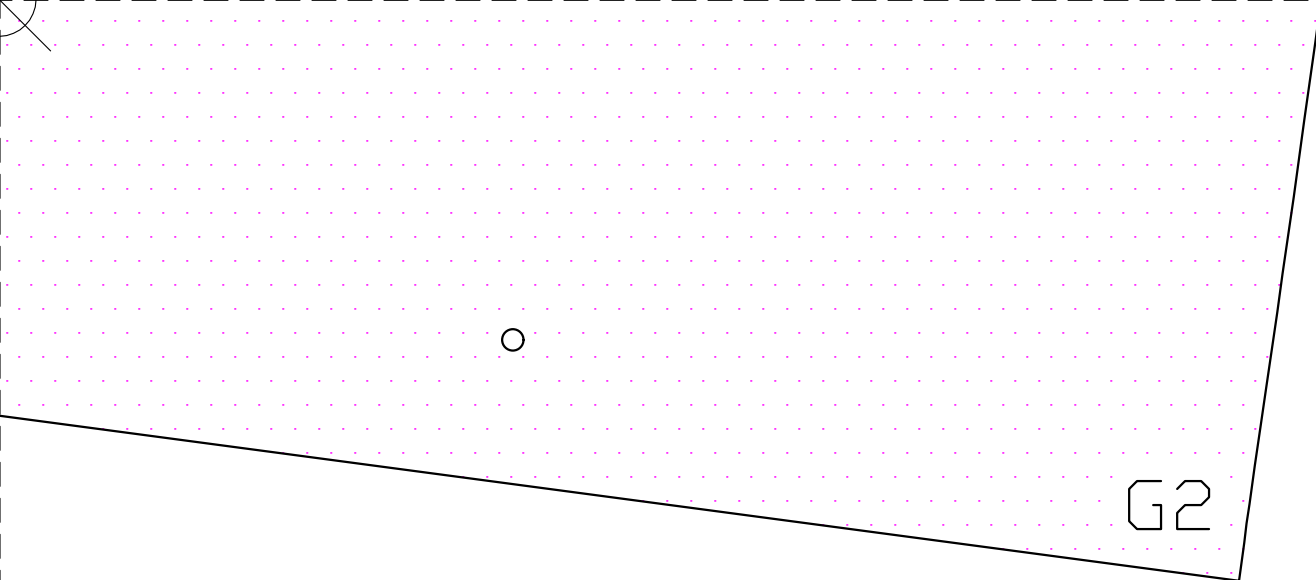
B/C2



34
2
FORMER - B/C2
FOAM BOARD
FT MUSTANG - v.1.0

B/C2

G3



ALL PLYWOOD 3/32 THICK

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